UNIVERSITY OF ZAGREB
Faculty of Kinesiology

DOCTORAL STUDY
KINESIOLOGY

Zagreb, September 2014

NAME, LAST NAME AND TITLE OF THE CONTACT PERSON: Full Prof. Lana Ružić, PhD

FUNCTION: Vice-dean for Science/Postgraduate Studies Coordinator

E-MAIL: lana.ruzic@kif.hr

TELEPHONE: 098/380753

ADDRESS: Horvaćanski zavoj 15, Zagreb

Pursuant to the Decision of 29 November 2012 of the Faculty Council, this Study Programme was prepared by the Working group for the implementation of a new proposed doctoral study of kinesiology, composed of: Full Prof. Vladimir Medved, PhD; Full Prof. Marjeta Mišigoj-Duraković, PhD, Full Prof. Dragan Milanović, PhD, Full Prof. Mirna Andrijašević, PhD, Assoc. Prof. Boris Neljak, PhD, Full Prof. Igor Jukić, PhD, Full Prof. Lana Ružić, PhD, Assoc. Prof. Goran Sporiš, PhD, Assoc. Prof. Damir Knjaz, PhD, Assoc. Prof. Goran Marković, PhD, and Asst. Prof. Renata Barić, PhD.

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Kinesiology

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University of Zagreb, Faculty of Kinesiology, Zagreb, Horvaćanski zavoj 15

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University of Zagreb, Faculty of Kinesiology, Zagreb, Horvaćanski zavoj 15

A.1.4. SCIENTIFIC OR ARTISTIC AREA, FIELD AND BRANCH IN WHICH THE STUDY IS INTENDED TO BE PERFORMED (OR RESPECTIVELY, AREAS AND/OR FIELDS AND/OR BRANCHES, IN CASE OF AN INTERDISCIPLINARY PROGRAMME)

Area: Humanities and Social Sciences

Field: Kinesiology

Branch (if the doctoral study is performed in a branch):

A.1.5. DURATION OF THE DOCTORAL STUDY IN ACCORDANCE WITH THE REGULATIONS (IN YEARS)

The doctoral study of kinesiology takes 3 years or 6 terms.

A.1.6. NUMBER OF REQUIRED COURSES/MODULES

The programme of doctoral study in kinesiology comprises 3 required courses and two elective modules. The elective modules are selected from A and B list (four offered research modules in each list), as explaned latter.

A.1.7. NUMBER OF ELECTIVE COURSES/MODULES

In addition to elective courses that the student chooses within the modules of the programme, the study programme also offers ten elective courses.

A.1.8. ACADEMIC TITLE EARNED UPON COMPLETION OF THE DOCTORAL STUDY

Upon completion of the doctoral study of kinesiology, the doctoral student is awarded the academic degree of Doctor of Social Sciences (PhD) in the field of Kinesiology.

A.1.9. PROPOSED SMALLEST NUMBER OF DOCTORAL STUDENTS FOR ONE ACADEMIC YEAR

25 students per academic year (enrollment offered every two years).

A.1.10. PROPOSED HIGHEST NUMBER OF DOCTORAL STUDENTS FOR ONE ACADEMIC YEAR

50 students per academic year (enrollment offered every two years).

A.2. INTRODUCTION

A.2.1. REASONS FOR SETTING UP THE PROPOSED DOCTORAL STUDY

A.2.1.1. Justifiability of starting the new doctoral study with regard to existence of similar doctoral studies at the University of Zagreb

Doctoral study currently provided at the Faculty of Kinesiology of the University of Zagreb needs significant improvement and modernization. As necessary changes are rather extensive in scope, the new doctoral study programme is proposed to replace the existing one. There are justifiable scientific needs in society for a doctoral study of kinesiology that would educate students and train them for science jobs in higher education, business as well as in the public sector, with an emphasis on health and sport sectors. As kinesiology is gaining importance not only in the fields of education and sport but recently also in recreation, and particularly in the field of health-related physical activities, there is a growing need for a scientifically trained staff in kinesiology.

A.2.1.2. Usefulness of the proposed doctoral study with regard to needs of research activities in the public and private sectors, and possibilities of employment

The usefulness of the proposed doctoral study is based on the understanding that it is only highly educated scientific staff that can foster development of kinesiology as a scientific field and contribute to the improvement of technology of work in the following areas: (i) kinesiological education at all levels of the educational process; (ii) sport, particularly in efficient programming and evaluation of sport activities and athletic training of selected individuals and groups; (iii) kinesiological recreation, through programming and evaluation of sport and recreational activities for the purpose of health maintenance and improvement; (iv) kinesitherapy, through programming and control of kinesitherapeutic treatment; (v) sports practiced by persons with disabilities, through programming and evaluation of physical activities for the purpose of mental and physical rehabilitation.

Scientific work in kinesiology is interdisciplinary and collaborative. Accordingly, kinesiology as a science is an integral part of numerous research projects in biomedicine, humanities and social sciences, public health sciences, biotechnology and various other sciences. In the specified areas, scientist researching in the field of kinesiology is indispensable in research teams in a number of research projects.

In the last thirty years, significant development of kinesiology has been noted; new knowledge, experience and skills have been acquired based on development of new technologies, particularly in the case of athletic training, motor learning, biomechanics and health-related physical exercises. Moreover, a growing awearness about the importance of prevention of overweight and of metabolic and cardiovascular diseases related to overweight resulted in a series of interdisciplinary scientific research projects that, in the field of kinesiology, produced new knowledge and expertise implemented in primary and secondary prevention of various

diseases. Improvements in the technology of work in the specified areas are founded on scientific research, and scientific cognizance successfully integrated in everyday practice. Given the Faculty's work to date, its tradition, and the experience acquired so far, and taking into consideration the new doctoral study to be implemented, it can be concluded that, doubtlessly, the Faculty is scientifically competent to continue producing educated scientists in kinesiology, who fully meet present and future labour market and private sector requirements. The new proposed programme will enable future doctors of social sciences in the field of kinesiology to specialise, through high electivity of the study, in any of the specified branches or disciplines, in line with their own specific interests.

A.2.1.3. Usefulness of the proposed doctoral study with regard to stimulation of social and economic development

The proposed doctoral study of kinesiology prepares doctoral students for jobs in science and higher education, private and public sectors, and society in general, as well as to develop and apply scientific achievements. The programme is adjusted to regional and global needs of society, and completed doctoral students find their employment positions in schooling, sport, recreation and kinesitherapy. Given the shift of generations, and a dynamic nature of the scientific area, as well as the strategic objective of the national education policy to raise the educational level in Croatia, the staffing need is permanent. The above claims have no direct impact on economy in terms of direct profits. However, taking into consideration the indicators showing that morbidity and mortality rates in a population are much more related to a sedentary way of life than to various other risks (smoking, overweight, high blood pressure, etc.), the role of scientists involved in research in the area of sport and/or recreational physical activities is vital in economic terms (reduced sick leave rate, medical treatment costs, efficiency at work among the employed population, and the like) as well. In addition, scientific work of the teaching staff of the Faculty of Kinesiology of the University of Zagreb covers certain areas that other doctors of science of kinesiology, involved in scientific training in the Republic of Croatia, do not deal with. This underpins the uniqueness of the proposed study.

Stakeholders who have shown interest in engaging and consulting the kinesiology scientific staff include the Ministry of Science, Education and Sports, the Croatian Olympic Committee, national sports federations by sports, the Croatian Institute of Public Health, educational institutions in areas of recreation, rehabilitation, physiotherapy and kinesitherapy, applied kinesiology research and development centres, and a number of others.

A.2.1.4. Foundation of the proposed study programme on competitive scientific research, and on new insights, knowledge and skills

Endeavours of several generations of researchers and the scientific reach of their research in general and applied kinesiology areas provide footing for claiming a high level of competition and competitiveness in respect of the obtained scientific knowledge, as well as of competence of scientists who, through their research, contribute to development of knowledge-based society and physical exercise and sport. Kinesiology is the scientific study of human movement – of movement patterns, of managing physical exercise and athletic training processes and of their impacts on human psychosomatic status. Kinesiology deals in particular with those systematic movements (physical exercises, athletic training) which are performed with the aim to ensure optimum development of a human body, health improvement and maintenance, functional and working capacities, and particularly enhancement and maintenance of characteristics, capacities and motor knowledge typical of competition-oriented sport activities and top sporting achievements. It also addresses the role and mechanisms of physical exercise and its impacts on the prevention of chronic non-infectious diseases, metabolic and cardiovascular diseases and locomotion system diseases within clinical and rehabilitation medicine, with the view to increasing treatment efficiency in case of health deflections or diseases. Scientific contribution of kinesiology is noticeable in particular in specific areas of biomechanics, motor control and motor learning and teaching.

Since the foundation of the Faculty of Kinesiology, its scientific research has been a significant component of its overall activity. Best indicators of its scientific activity are numerous papers prepared by the Faculty teaching staff and their associates, and published in internationally recognized scientific publications. In the five-year period from 2008 to 2013, teaching staff and associate professors of the Faculty published altogether 635 scientific papers, 269 of which in journals indexed in CC, WOS and SCOPUS databases. In addition, 235 papers were published in journals included in other databases relevant for the habilitation to academic rank, 117 papers in international peer-reviewed Croatian journals and 14 papers in Croatian peer-reviewed journals.

Scientific research at the Faculty is based on up-to-date scientific methodology and methods of analysis, designing and evaluation of teaching, training and exercise processes, and laboratories equipped to the highest modern standards. This proves the Faculty's leading role among institutions on the national level and its competitiveness on an international level. It is to be noted that through scientific projects and obtained scientific information therein, a paradigm has been set for knowledgeable designing transformation processes in all areas of applied kinesiology, and particular in schooling, sport and recreation. Through such an approach, the Faculty of Kinesiology has become a well-known and recognized higher education institution, including internationally. The main characteristic of scientific research at the Faculty of Kinesiology is a continuous integration of research results into its postgraduate training programmes. Another particularly important feature is that a number of young researchers joined scientific research projects, which enabled them to build on their knowledge and acquire necessary research experience.

Records of scientific activities of the Faculty's employees include, among other things, details on the participation of the Faculty's scientists in international scientific events, their activities in scientific and specialist associations and organisations. The Faculty is extremely proud of its publishing *Kinesiology*, an international scientific journal of fundamental and applied kinesiology indexed in the WOS (SCI expanded and SSCI) base.

It is to be noted that every three years since 1997 the Faculty has organised International Scientific Conference on Kinesiology, which means that in 2014 the Conference will be held for the seventh time in a row. "School of Kinesiology for Doctoral Students" has been attached to this international Conference since 2008. The School is open to students from partner European universities, and hosts lecturers from prestigious European, American and Australian universities. So far, 14 visiting lecturers from these universities have participated in the School's work.

Therefore, it can be established that the programme and curriculum of the doctoral study to be implemented by the Faculty of Kinesiology is based on scientific body of knowledge, every teacher tending to disseminate his or her recent research results in the context of lectures and research seminars within the respective course.

Scientific research is performed in the following research laboratories: sports and exercise medicine laboratory, kinanthropometry laboratory, exercise physiology laboratory, motor control laboratory, biomechanics laboratory and the Sports Diagnostics Centre.

It should be noted that these laboratories are fully operational within the proposed doctoral study. Doctoral students can use these facilities to carry out their scientific research when appropriate, and in cooperation with heads of laboratories and other teachers, design and prepare their scientific papers and make arrangements for their publishing in relevant scientific publications.

A.2.1.5. Innovativeness of the proposed study programme, that is, potential of the proposed study programme for creation of new and relevant knowledge or artistic practices

In terms of its concept and programme, the proposed doctoral study is oriented to the education of researchers and scientists in the scientific field of kinesiology, with the aim of training them to be able to independently plan and carry out scientific reasearch projects and publish scientific papers. In order to achieve the specified objectives, the proposed doctoral study is planned and based on research and learning through research, acquiring knowledge and experience needed for designing research projects on current issues in kinesiology and related areas in an independent and creative way. Intention is to ensure training that provides competence, in particular, for scientific action in interdisciplinary scientific research areas.

The innovation of the proposed doctoral study is reflected in a significant reduction in the number of lecture hours on account of an increase in the number of hours of research seminars, workshops and discussion panels. In such a way, the doctoral students will obtain useful information necessary for creative

deliberations on new scientific problems and critical deliberations concerning the results of former work and its use in the context of developing new projects.

Accordingly, the Faculty of Kinesiology, as a proposer the new doctoral study, considers that the new concept of a doctoral study will meet modern requirements of scientific research in kinesiology.

A.2.2. ANALYSIS OF THE COMPATIBILITY OF THE DOCTORAL STUDY WITH THE RESEARCH STRATEGY OF THE UNIVERSITY OF ZAGREB

Pursuant to the vision of the Research Strategy of the University of Zagreb that defines a clear research profile characterised by internationally recognized excellence, one of main premises of the proposed doctoral study is a research-based teaching that will provide future carriers of kinesiology development with such a kind of education that, through their work, they will be able to prove in the international community as well, the leading role which the Faculty of Kinesiology of the University of Zagreb has on the national level. The Science Development Strategy of the Faculty of Kinesiology for the 2010-2014 period is based on the Research Strategy of the University of Zagreb and it sets out strategic objectives and tasks of the Faculty of Kinesiology, with appertaining measurable science performance indicators and monitoring and progress benchmarks for the implementation of the Faculty's Science Development Strategy. One of the strategic objectives refers to the necessary reform of the current doctoral study, to facilitate achievement of objectives set out in the Research Strategy of the University and in the Strategy of the Faculty of Kinesiology itself. The Faculty of Kinesiology, as a constituent unit of the Zagreb higher education university community, fits into the clearly defined research profile characterised by scientific excellence and international recognisability of the field of kinesiology. Kinesiological research sets paradigms for addressing fundamental kinesiology issues, and issues arising in the areas of applied kinesiology. This facilitates finding new technological solutions and intiating development processes in branches and disciplines of applied kinesiology.

In accordance with the Research Strategy of the University, basic distinguishing features of the proposed doctoral study of kinesiology are research and learning through research, international openness, international quality benchmarks, and international competitiveness of the study programme.

A.2.3. PRIOR EXPERIENCES OF THE PROGRAMME PROPOSER IN IMPLEMENTATION OF DOCTORAL STUDIES

The Faculty of Kinesiology implemented scientific postgraduate studies and procedures *for the attainment of academic degrees of Master of Science* (MS) *and Doctor of Science* (PhD) in the social sciences area of the field of kinesiology as early as more than forty years ago. The current doctoral study of kinesiology, as reformed to comply with the Bologna Process, and the corresponding procedures for the attainment of the academic degree of Doctor of Science were put in place in 2005. So far, the scientific postgraduate study of kinesiology was completed by 289 applicants who were awarded master's degree and 154 who were awarded

doctor's degree, 90 during the last ten years . The doctoral study of kinesiology is the only doctoral study in the field of kinesiology within the Zagreb academic community.

Development of doctoral training at the Faculty of Kinesiology indicates that from generation to generation former experience has been integrated into the accomplishment of the programme with coming generations. This positive experience is substantiated by a growing number of teachers' and doctoral students' papers published in journals relevant in the field of kinesiology and sport science as well as in biomedicine. Hence, the programme of the new doctoral study of kinesiology comprises the proposer's accumulated past and present experience, and particularly the experience gathered during the last 20 years.

Lately, a trend of an increased interest in pursuing the doctoral study of kinesiology has been identified among students from other faculties. This is particularly true of students who graduated from medical schools, faculties of economics and faculties of humanities and social sciences (e.g. pedagogy).

A.2.4. INTERNATIONAL RECOGNISABILITY OF THE PROPOSER OF THE DOCTORAL STUDY IN SCIENTIFIC OR ARTISTIC RESEARCH, OR ARTISTIC CREATION

The Faculty of Kinesiology of the University of Zagreb, as the proposer of a new, modernized doctoral study programme, is internationally recognisable for its scientific research. The international recognisability of the Faculty is evidenced by scientific papers of its scientific teaching staff, published in international indexed publications. A number of foreign scientists published, in particular during the last ten years, their papers in the Faculty's internationally recognised scientific journal "Kinesiology" and the Proceedings of the Faculty's International Scientific Conference of Kinesiology. To put it simply, through their papers, foreign researchers are much more represented in these publications than domestic ones. This means that foreign scientists consider it important to have their papers published in our international journal and to participate in our international conference. . The Kinesiology Conference is always attended by several hundreds scientists so in regard to doctoral programmes it is of a hign importance as an opportunity to organize a doctoral school taught by experts in the kinesiology research. Our scientists are involved in the work of international scientific organisations and associations, such as ISPAS, INSHS, EUPEA, FIEP, ECSS, AISEP, ACSM and various others, which also speaks in favour of international recognisability of the Faculty.

The Faculty of Kinesiology is the proposer of this doctoral study, thus the Faculty shall also be the primary provider of the study. In the course of the doctoral study, collaborations are to be expected, especially in view of visiting professors from domestic institutions as well as foreign ones which have signed contracts with the Faculty of Kinesiology on bilateral collaboration. Contracts of this type have been signed with the following institutions:

1. Science and Research Centre, University of Primorska, Koper, Slovenia
2. University of Central Florida Orlando, Florida USA
3. National University of Physical Education and Sport of Ukraine, Kiew, Ukraine
4. Faculty of Kinesiology, University of Split, Croatia
5. Faculty of Physical Education and Sport, University of Pristina

6. Faculty of Physical Education, University of Skopje, Macedonia
7. Faculty of Physical Education and Sports, University of Banja Luka, Republic of Srpska, Bosnia and Herzegovina
8. Norwegian School of Sport Sciences, Oslo, Norway
9. Faculty of Sports and Physical Education, University of Sarajevo, Bosnia and Herzegovina
10. Faculty of Sports and Physical Education, University of Belgrade, Serbia
11. Faculty of Physical Education and Sport, University of Craiova, Romania
12. Faculty of Sciences of Formation, University of the Studies of Salerno, Italy
13. Faculty of Kinesiology and Rehabilitation Sciences, Leuven, Belgium
14. Norwegian School of Sport Sciences, Oslo, Norway
15. Beijing Sport University, Beijing, China
16. Faculty of Sports and Physical Education, University of Novi Sad, Serbia
17. Faculty of Sports and Physical Education, University of Montenegro, Nikšić, Montenegro
18. Faculty of Sports and Tourism, Novi Sad, Serbia
19. Faculty of Physical Education and Sports, Comenius University, Bratislava, Slovakia
20. Department of Kinesiology, Penn State University, USA
21. Jozef Pilsudski Academy of Physical Education in Warsaw, Poland
22. Faculty of Sciences of Formation, University of the Studies of Salerno, Italy
23. Polytechnic University of Torino, School of Engineering, Torino, Italy
24. Faculty of Sports Studies, Masaryk University, Brno, Czech Republic
25. Faculty of Art and Music, Education and Sport, Institute of Sport Science, University of West Hungary, Szombathely, Hungary“

A.2.5. COMPARABILITY WITH SIMILAR DOCTORAL PROGRAMMES OF HIGHLY RANKED FOREIGN UNIVERSITIES

There are several doctoral study programmes, as offered by respectable higher education institutions in the member states of the European Union, which are similar to our doctoral programme. To some extent, they vary one from the other because of their different national traditions in, and specific current needs, of their countries. Some of them, e.g. the doctoral study of Loughborough University, offer several programmes right from the beginning of study while we considered that a common start (first two semesters) would provide a sound foundation for research in various branches and disciplines. However, the modules that our student selects thereafter often match respective doctoral programmes abroad. In spite of terminological differences, if the student selects modules from the sport branch, his programme at our Faculty is comparable with doctoral programmes in sport sciences („Sportwissenschaften“) in German speaking countries (Universities of Koeln, Vienna, Salzburg, or Innsbruck). Similarly, for the students who select modules of biomedical or anthropological branches and disciplines respectively, our programme is more similar to a doctoral study of exercise physiology in English speaking countries. Furthermore, study programme “Sport Exercise and Rehabilitation Sciences“ of the University of Birmingham is very similar to our doctoral study of kinesiology where a sport module and a kinesitherapy module is selected. The Catholic University of Leuven, Belgium offers a similar programme. In Europe, there are other similar programmes (our programme is comparable with programmes of higher education institutions from Bratislava, Slovakia; Madrid, Spain; Prague, The Czech Republic; Tartu, Estonia and Warsaw, Poland). In USA, there is a wide range of similar doctoral programmes, which are sometimes hardly mutually comparable. However, as an example to the contrary, the

University of Michigan offers a programme rather similar to the one proposed in this overview. Its programme sets out that the ultimate objective of acquiring a doctor's degree in kinesiology is to produce a scientist taking an active role in the transfer of knowledge in education and research in private and government institutions in disciplines of sport training, sport physiology, motor control as well as psychosocial aspects of physical activity.

The Faculty of Kinesiology is a member of a number of international associations of higher education institutions in the area of sport sciences and narrower regional European associations, which will undoubtedly facilitate direct cooperation in designing international joint study programmes.

A.2.6. REQUIREMENTS FOR THE ADMISSION TO THE STUDY PROGRAMME

Applicants for admission to the doctoral study of kinesiology are university graduates of kinesiology, with a minimum 3.5 grade point average for all the exams passed at the undergraduate level and with an active knowledge of the English language.

Students who completed other related university undergraduate studies (biomedicine, psychology or educational rehabilitation) can also apply for admission to the doctoral study of kinesiology, having fulfilled the same requirements as applicants who completed a kinesiology study programme, i.e. without taking any qualification exams.

Applicants who completed a university undergraduate study in any other area are required to fulfil the same admission requirements as the applicants who completed a kinesiology study programme, with the difference that based on their interview in the application process, the Board of Doctoral Study shall determine which qualification exams the applicants must pass in order to enrol. The maximum number of qualification exams that the Board can define is one joint exam, depending on the selected field of research. The joint qualification exam can comprise selected topics in no more than three courses from the selected field (biomedical courses, social courses or general kinesiology courses). During their interview in the application process the applicants will be informed on which modules they can choose, as well as the ones that they cannot. The Board of Doctoral Study can eliminate the possibility of admission during the interview if it is determined that an applicant is not a suitable candidate for the doctoral study of kinesiology, based on their scientific field of interest or if the number of qualification exams required for admission would be too large.

Direct enrolment in the third year of the doctoral study:

Applicants who completed a postgraduate scientific study of kinesiology or any other area, and who acquired the academic degree Master of Science (acquired either within or outside the ECTS system).

Applicants with a master's degree (acquired either within or outside the ECTS system) in areas and fields other than kinesiology can be admitted to the doctoral study under the same requirements as the applicants in the previous subsection.

Before taking any exams in the doctoral study programme, based on the assessment of the Board of Doctoral Study, the applicants are required to pass exams in certain courses from study programmes in distribution groups I and II from the first two years of the doctoral study.

Candidates who completed a postgraduate specialist study in any area of applied kinesiology (Kinesiology of Sport, Kinesiological Education, Kinesiological Recreation) can enrol in the second year of the doctoral study of kinesiology provided that they achieved a grade point average higher than 4.00, and that their specialist study final paper showed all characteristics of a scientific paper. The Board of Doctoral Study than decides whether and which additional differential exams are needed.

A.2.7. DESCRIPTION OF THE SELECTION OF APPLICANTS WITH A SPECIAL EMPHASIS ON DESCRIPTION OF ADMISSION REQUIREMENTS CRITERIA AND TRANSPARENCY OF THE APPLICANT SELECTION PROCEDURE

Enrolment in the doctoral study of kinesiology is carried out strictly on the basis of a public call.

All the applications which meet the general admission requirements are scored and ranked in keeping with the established criteria in a single enrolment priority list.

The enrolment priority list is composed in accordance with the following main criteria:

- grade point average for all the exams passed at the undergraduate level (i.e. grade point average for all the exams passed at the undergraduate and graduate university study, depending on the system of organization at a university) which is corrected with a corresponding coefficient, depending on the total duration of the study for each individual student;
- graduation thesis (experimental or theoretical);
- scientific activity and presence in the academic community (Rector's Award or other awards, published papers, participation in scientific projects, study visits abroad, etc.);
- active knowledge of the English language; knowledge of a second, third or several world languages;
- achievements in sport (first, second or third category athlete in accordance with the relevant Croatian legislation).

An interview with each applicant is an obligatory part of the admission procedure for the purpose of determining the applicant's motivation and tendency towards scientific research.

Detailed ranking criteria for enrolment in the doctoral study of kinesiology:

a) **Elimination criteria:**

- grade point average at the university study not below 3.5 or lower (at least 3.0), along with enclosed published scientific papers which will be evaluated by the Board of Doctoral

Study and possibly accepted as evidence of scientific activity which can compensate for the difference in grade point averages

- knowledge of the English language (it is considered that applicants satisfy the required criterion for active knowledge of a foreign language if they took a faculty course in a foreign language with a workload of at least 60 hours and if they passed the exam with a grade not below 4.0, or if they produce a certificate from a foreign language school on their active knowledge of a foreign language (with at least the level B1 completed))
- based on the interview, an applicant can be eliminated from further participation in the procedure if it is determined that the applicant does not have a clearly defined area of research or if the desired area of research is not within the framework of expertise among the supervisors at the Faculty of Kinesiology

(b) The ranking list in respect of students who meet the elimination criteria is made based on the total points obtained:

- **points for academic standing (maximum 100 points)**

  points for academic standing= grade point average * k * 20, where:

  K = 1: within a year after completion of the graduate academic programme

  K = 0.9: more than one, and less than two years, after completion of the academic programme

  K = 0.8: more than two years after completion of the academic programme

- **scientific activity (maximum 50 points):**

1. scientific paper published in CC and SCI cited journals
   - 25 points up to 3 authors, 12.5 points 4 and 5 authors, more than 5 authors 25/x
2. scientific paper published in other journals
   - 15 points up to 3 authors, 7.5 points 4 and 5 authors, more than 5 authors 15/x
3. scientific paper published in the in the proceedings of international conferences
   - 10 points up to 3 authors, 5 points 4 and 5 authors, more than 5 authors 10/x
4. scientific paper published in the proceedings of domestic conferences
   - 5 points up to 3 authors, 2,5points 4 and 5 authors, more than 5 authors 5/x
5. specialist master's thesis
   - 15 points (in case the specialist study master's thesis is experimental - 25 points)
6. Rector's award
   - 10 points
7. Experimental graduation thesis
   - 5 points

- **other activities (maximum 20 points):**

8. athletes of category 1 - 15 points
9. athletes of category 2 - 10 points
10. athletes of category 3 - 5 points
11. study abroad programme (for at least one semester) - 5 points
12. second foreign language - 5 points

At the end of the enrolment procedure the final ranking list of applicants with their scores is published on the Faculty web site and made available to the general public. Students are offered the possibility of accessing the documentation and objecting to the results of the enrolment procedure.

A.2.8. DESCRIPTION OF THE INSTITUTIONAL MANAGEMENT OF THE STUDY

The Faculty Council, consisting of all the employees at the Faculty of Kinesiology with a research-and-teaching rank and representatives of assistant lecturers and junior researchers, appoints the Board of Doctoral Study which manages and runs the doctoral study. The Board of Doctoral Study is comprised of all the heads of obligatory courses at the doctoral study, heads of elective modules, the counsellor for science, the Vice Dean for Science and the head of the doctoral study, regardless of the fact if a particular course (module) is taught or not in the ongoing academic year. The Board of Doctoral Study considers and discusses on the following matters:

- all issues regarding the organization and realization of the doctoral study,
- proposing to the Faculty Council the appropriate measures for improving the teaching process and the realization of the study programme,
- proposing to the Faculty Council the heads of courses and other teachers who participate in the realization of the teaching process at the doctoral study,
- proposing to the Faculty Council on including teachers and scientists from other higher education institutions and scientific and research institutes into the teaching process at the doctoral study,
- proposing to the Faculty Council on including teachers, internationally recognized scientists and world-class experts from abroad into the teaching process at the doctoral study,
- conducting the enrolment procedure and selecting the applicants for admission to the doctoral study,
- issuing orders on the amount of tuition fees financed by doctoral students, as well as other decisions with regard to covering the expenses of the study (total or partial exemption from paying tuition fees, etc.)

- reviewing topics for proposed doctoral dissertation and directing them into further process after adoption,
- defining the course schedule,
- resolving individual student requests,
- attending to other matters which are established within its domain of work through this decision and other general acts of the Faculty of Kinesiology and the University of Zagreb.

The appointed supervisor observes the student's work and progress during the study and advises the doctoral student during the production of the doctoral thesis. The Student Services Office at the doctoral study keeps a portfolio for each doctoral student which contains all their essential information since the beginning of their study until graduation.

Based on annual reports from doctoral students and their supervisors, the Board of Doctoral Study presents a report to the Faculty Council which oversees the Board and its work.

The Faculty of Kinesiology will keep monitoring the reached level of quality of the doctoral study programme by continuously observing the latest tendencies in the European community of higher education and by gathering postgraduate students' opinions on the quality and the successfulness of execution of the postgraduate study programme. Each course and each teacher shall be evaluated in anonymous questionnaires so that based on the gathered information we can assess the successfulness of each aspect of the study programme. The head of the doctoral study programme shall prepare a separate questionnaire in order to verify the realization of fundamental goals for postgraduate education, referring to the reached level of knowledge and the mastering of techniques and methodology of scientific and research work, which will affect the successful preparation and defence of the doctoral dissertation, as well as the future continuation of scientific activity among students who complete their doctoral education.

Likewise, it is expected that the academic community, that is the University of Zagreb, conducts continuous evaluations of the study programme and arrives at objective assessments of its quality based on reliable indicators of success.

A.3. THE DOCTORAL STUDY PROGRAMME AND ITS CURRICULUM

A.3.1. . DESCRIPTION OF THE STRUCTURE OF THE PROGRAMME OF THE DOCTORAL STUDY

The proposed doctoral study is designed as a part-time study intended for students employed in schooling and other institutions, and companies in public and private sectors.

The objective of the proposed doctoral study of kinesiology is to provide training for doctoral students that will enable them to acquire the academic degree of Doctor of Social Sciences in the field of Kinesiology. After six semesters, or three academic years of the study, the doctoral student is obliged to finish the study

during the next four years (altogether 7 years). Within that time limit, the doctoral student should also defend the doctoral thesis.

During their study, the doctoral students will acquire necessary knowledge in fundamental and applied kinesiology research methodologies, which will make them qualified to design and carry out fundamental, developmental and applied scientific research projects. Besides, the doctoral students will obtain considerable amount of scientific cognizance in biological anthropology, social sciences, biomedicine, humanities and, what is particularly important, in areas covered by elective modules and elective courses in kinesiology and related interdisciplinary areas.

The proposed program is structured for the part time students and during the first two years of the study the students will attend altogether 116 classes within the required courses and 120 classes of elective modules and elective courses. Other required activities of the students encompass active participation in generic abilities workshops (Research methodology in Kinesiology and Scientific writing, publishing and evaluation) Overall student work in regard to the participation in organized classes (lectures, research seminars, workshops and discussion panels) and the literature research needed to participate and prepare for the research seminars , as well as studying for exams amount to 85 ECTS credits of student engagement.

The remaining 95 ECTS credits should be obtained through research and publishing activities (45 ECTS) doctoral thesis proposal (10 ECTS) and the research activities in regard to the finalization of the doctoral thesis and the public presentation and defending of the doctoral thesis (50 ECTS) .

For the two categories (scientific and teaching) of the student's work, the doctoral study cumulative workload amounts to 5,400 hours, equivalent to 180 ECTS credits. In this program proposal, special attention was made to the distribution of the class types. The „ex cathedra" lectures encompass only 20% of the overall classes while the rest of the classes encompass research seminars, workshops and discussion panels Also, all types of classes together amount only 10% of the overall student engagement while the rest is aimed to their research and publishing activities.

The doctoral training is structured in the framework of three distribution groups. Two distribution groups include taught courses, and the third distribution group implies independent scientific activity and participation in domestic and international scientific events, on the one hand, and completion and defence of the doctoral thesis project and of the doctoral dissertation, respectively, on the other.

The first distribution group comprises 3 required courses. These courses, amounting to a total of 116 hours of classes, worth 45 ECTS credits, are compulsory for all doctoral students and they attend them during the first two semesters of the study.

The second distribution group comprises courses of two elective modules (research fields) and elective courses.

The elective module A is composed of four research fields and it comprises: Kinesiology of Sport, Kinesiological Recreation, Kinesitherapy and Kinesiological Anthropology. Each of these module comprises

three courses determining their scientific orientation. Total class workload amounts to 60 hours of research seminars, workshops and discussion groups, worth 15 ECTS credits in total. The student takes all three courses, or chooses two of them. Where the student chooses two courses from the elective module, he has the option to replace the third one by choosing two elective courses with corresponding number of hours and ECTS credits, instead.

The elective module B is composed of three research fields and it comprises: Measurement and Development of Motor Abilities, Biomechanics and Motor Control in Sport and Exercise, Biomedicine of Sport and Exercise, Social and Humanistic Aspects of Sport and Exercise. Each of these module comprises three courses providing necessary amount of scientific cognizance related to the potential doctoral thesis project. Total class workload amounts to 60 hours of research seminars, workshops and discussion groups, worth 15 ECTS credits in total. The student takes all three courses, or chooses two of them. Where the student chooses two courses from the elective module, he has the option to replace the third one by choosing two elective courses with corresponding number of hours and ECTS credits, instead.

Generic abilities workshops – during the first year of the study the students will attend the required workshops in Research methodology in Kinesiology and Scientific writing, publishing and evaluation). Altogether 6 workshops will be organized.

Elective courses cover a wide range of scientific issues relevant for the concerned scientific research in the field of kinesiology. They present a logic continuation of elective courses within the framework of elective modules. They can deepen or expand scientific cognizance in accordance with the specific requirements of the doctoral thesis.

Overall student load in regard to the participation in organized classes (lectures, research seminars, workshops and discussion groups) and the literature research needed to participate and prepare in research seminars , as well as studying for exams require 85 ECTS credits of student engagement.

The remaining 95 ECTS credits should be obtained through research and publishing activities (45 ECTS) doctoral thesis proposal (10ECTS) and the research activities in regard to the finalization of the doctoral thesis and the public presentation and defending of the doctoral thesis (50 ECTS) .

The scientific activity of the students will be manifested through the research and publishing activities, in scientific journals and other publications. The ECTS credits earned in that way (minimum 45) are part of the 3rd credits group.

Other required obligations of the doctoral students encompass active and passive participation in international and national scientific conferences and congresses or other scientific meetings, attending the lectures within the elective topics and the doctoral thesis proposal and, finally, the writing and defending of the doctoral thesis.

A.3.2. DESCRIPTION OF THE MANNER OF TRAINING DOCTORAL STUDENTS FOR ACQUISITION OF SCIENTIFIC OR ARTISTIC KNOWLEDGE, EXPERIENCES AND SKILLS THAT WILL ENABLE THEM TO SOLVE COMPLEX SOCIAL AND ECONOMIC PROBLEMS CREATIVELY AND ON THE BASIS OF RESEARCH

During their study, doctoral students are required to present their research projects and defend them in front of an audience comprised of a certain number of doctoral study teachers competent in respect of the research project, and all other students enrolled in the same year of study. During the first year of the doctoral study, lectures on searching scientific bases and on the basics of scientific paper writing are organised for students within the course "Research Methodology of Kinesiology" and through other workshops organised by guest lecturers within the distribution group III. For most courses, the student is required to prepare, before taking the exam, a seminar paper in the form of a project or a specific research work relating to the subject matter that the course addresses. The generic abilities workshops (like Scientific, wrriting, publishing and evaluation) aree organised in particular with an aim to develop publishing competences (distribution group III.). Most prominent non-research competences acquired during the study involve presentation and lecturing skills. In addition, a certain number of students, through their research work performed in direct contact with respondents, such as athletes, acquire also some specialist competences related to organisational work in sport.

A.3.3. DESCRIPTION OF THE PROGRAMME POTENTIAL FOR TRAINING DOCTORAL STUDENTS FOR AN INDEPENDENT, RESEARCH-BASED AND INTERDISCIPLINARY APPROACH TO PROBLEMS, FOR INDEPENDENT RESEARCH AND FOR CRITICAL EVALUATION OF THE WORK OF OTHERS

At the current level of development of kinesiology, an interdisciplinary approach assumes more importance than ever. In this sense, fundamental kinesiology and applied kinesiology are closely associated with numerous other related disciplines. The proposed doctoral study of kinesiology is based on a holistic approach to research in kinesiology. This approach fully acknowledges the fact that the understanding of human movement and teaching, coaching and exercise processes presupposes knowing all abilities, characteristics and knowledge of a person as an integrated bio-psycho-social being. This also involves awareness of various circumstantial and other factors pertinent to the interaction between the human being and the environment because these factors have a considerable impact on transformation of the abilities, characteristics and knowledge relevant for health maintenance and improvement, and successful performance in sport and physical exercise.

For this reason, the doctoral study programme includes, in addition to fundamental and applied kinesiology disciplines, a number of courses from the areas of biomedicine and physical, humanities and social sciences.

Therefore, it can be pointed out that the doctoral programme has potential for training doctoral students to be able to pursue independent research-based and interdisciplinary approach to problems, to conduct research independently and to evaluate critically the work of others.

A.3.4. DESCRIPTION OF THE PROGRAMME POTENTIAL FOR ACQUISITION OF WORK COMPETENCES, INCLUDING LIST OF COURSES FOR DEVELOPMENT OF GENERIC AND TRANSFER SKILLS

The fact is that doctoral study effectiveness depends on scientific and teaching capacities of the institution that provides the study and scientific and teaching abilities of the scientists who carry out scientific projects and publish scientific papers in relevant scientific publications. This substantially uplifts the scientific justifiability of lecture and seminars. What is particularly important, it also improves the scientific excellence of doctoral thesis projects, because it is the competent teachers who assume mentorship in high-quality projects.

Completed doctoral students with the academic degree of Doctor of Social Sciences in the Field of Kinesiology are qualified to design and perform independently scientific research in kinesiology and interdisciplinary areas.

Pursuant to the elected module (scientific branches or scientific disciplines), the completed student's competence is in line with his scientific interest and his doctoral thesis project. Doctors of kinesiology are qualified for successful transfer of scientific knowledge and its application in schooling, sport, sport recreation and kinesitherapy. They have considerable potential to continue their scientific research within the scientific and research institutions and in projects financed by the Croatian Ministry of Science, Education and Sports and other governmental and non-governmental professional institutions. Furthermore, they can participate in international EU-funded projects.

A certain number of Doctors of Kinesiology, based on generic and transfer skills that they have developed, can apply to the regular procedure of the election for associates in scientific and teaching institutions in which they are eligible for assistant and teacher positions for respective study programme courses. As this is a logic continuation of their lifelong learning, as a rule, Doctors of Kinesiology will continue participating in various forms of postdoctoral training. Postdoctoral training courses provide additional training for Doctors of Kinesiology to further develop their potential for independent creation and implementation of projects of highest scientific level.

In compulsory courses, courses of elective modules and elective courses, the students acquire competences required for positions in public and private sectors. This should open for them new employment possibilities, because further development of society in all its segments depends primarily on the scientific level of potential initiators of positive changes.

A.3.5. POTENTIAL OF THE STUDY FOR ESTABLISHING COOPERATION WITH OTHER HIGHER EDUCATION INSTITUTIONS, RESEARCH INSTITUTES, AND PRIVATE AND PUBLIC BUSINESS SECTORS

Courses of the doctoral study of kinesiology are open to all doctoral students of the University of Zagreb. Under established criteria and in accordance with the terms and conditions of agreements signed with

candidates in respect of partial openness, it is open to doctoral students of other Croatian and foreign universities.

Besides, with the approval of the Doctoral Study Board and with the supervisor's consent, students can sign in for courses and partially perform segments of their research at other constituent units of the University and/or other institutions. These aspects of the two-way openness of the study additionally contribute to training doctoral students to be able to take an independent, research-based and interdisciplinary approach to scientific and research problems.

Doctoral students are allowed to earn up to 8 ECTS credits from the distribution group II in their second year of study from courses and modules which are part of another separate study, however, the above-mentioned option requires a previously obtained consent from the supervisor and the Board of Doctoral Study, as to determine if the stated modules and courses from other studies are required and closely related to the student's research field, i.e. to the topic of the doctoral thesis.

A.3.6. REQUIREMENTS FOR STUDENTS' ADVANCING TO THE SUBSEQUENT YEAR OF THE STUDY

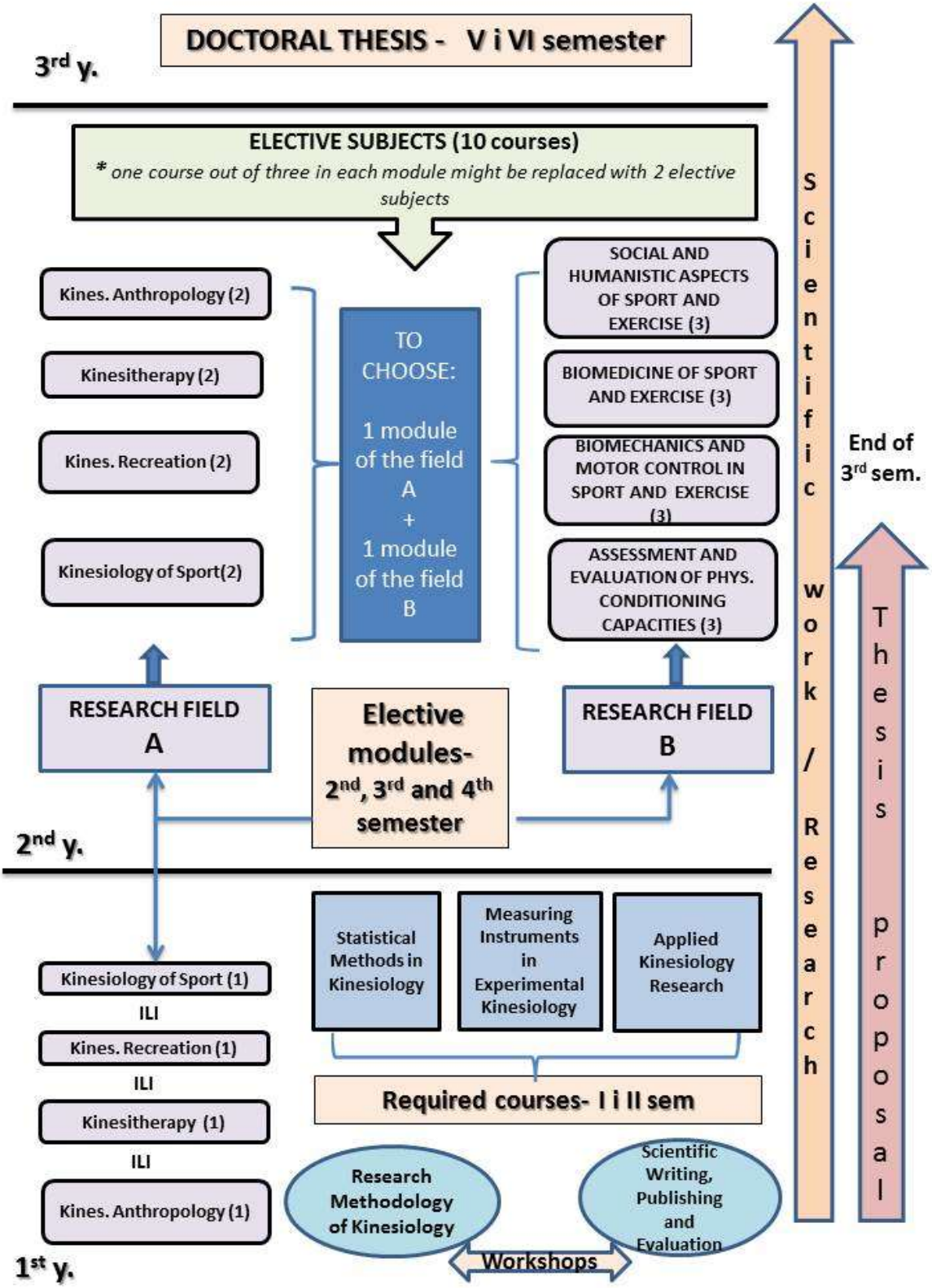
In order to ensure an adequate student passing rate and the continuation of their study, the overall student requirements are distributed in such a manner that the first year of study includes the most requirements, whereas the second year of study is somewhat relieved so that in the third year of study there is no teaching process, as the students' activity is directed towards finalizing their doctoral dissertation.

In line with the above stated, students are entitled to enrol to the second year of study upon fulfilling their study requirements expressed as at least 25 ECTS credits earned from courses taken in the ongoing year of study. The mentioned 25 credits consist of at least 20 ECTS credits from the distribution group I and at least 5 ECTS credits from the distribution group III, in addition to a mandatory attendance in workshops and discussion groups which are not part of obligatory courses, but are offered as part of the doctoral study. During the year, students must also participate in two scientific or scientific and expert conferences, out of which at least in one of those conferences they must participate in terms of actively presenting a paper, for which a corresponding receipt must be procured.

These students are entitled to enrol to the third year of study if they pass all of the exams which are left from the distribution group I and if they earn at least another 15 ECTS credits from passing exams from the distribution group II before the end of the enrolment closing date. In addition, students are required to earn 10 ECTS from the distribution group III and 10 ECTS credits from defending their doctoral thesis project. During the year, students must also participate in two scientific or scientific and expert conferences, out of which at least in one of those conferences they must participate in terms of an actively presenting a paper, for which a corresponding receipt must be procured.

Students are required to earn a total of 35 ECTS credits from their requirements in the second year of study in order to enrol to the third year of study.

A student who at any moment and for whatever reason terminates the already started doctoral study or loses the right to study at the Faculty of Kinesiology of the University of Zagreb can be provided with a corresponding receipt specifying the taken courses, the passed exams and all other completed requirements, as well as the number of earned ECTS credits, which enables the student in question to transfer to another adequate postgraduate university study in the country or abroad. Depending on the number of passed exams, the elected module and the number of earned ECTS credits, these students can also transfer to one of the specialist postgraduate university studies which are organized and performed at the Faculty of Kinesiology.


DOCTORAL THESIS - V i VI semester
3rd y.
ELECTIVE SUBJECTS (10 courses)
* one course out of three in each module might be replaced with 2 elective subjects
Kines. Anthropology (2)
Kinesitherapy (2)
Kines. Recreation (2)
Kinesiology of Sport(2)
TO CHOOSE:
1 module of the field A
+
1 module of the field B
SOCIAL AND HUMANISTIC ASPECTS OF SPORT AND EXERCISE (3)
BIOMEDICINE OF SPORT AND EXERCISE (3)
BIOMECHANICS AND MOTOR CONTROL IN SPORT AND EXERCISE (3)
ASSESSMENT AND EVALUATION OF PHYS. CONDITIONING CAPACITIES (3)
RESEARCH FIELD A
Elective modules- 2nd, 3rd and 4th semester
RESEARCH FIELD B
2nd y.
Kinesiology of Sport (1)
ILI
Kines. Recreation (1)
ILI
Kinesitherapy (1)
ILI
Kines. Anthropology (1)
Statistical Methods in Kinesiology
Measuring Instruments in Experimental Kinesiology
Applied Kinesiology Research
Required courses- I i II sem
Research Methodology of Kinesiology
Scientific Writing, Publishing and Evaluation
Workshops
1st y.
Scientific work / Research
End of 3rd sem.
Thesis proposal

OVERVIEW OF STUDENTS' REQUIREMENTS BY YEAR OF STUDY

Year	1.				2.				3.				Total hours	Total ECTS
Semester	I		II		III		IV		V		VI			
Unit of load	Hours	ECTS	Hours	ECTS	Hours	ECTS	Hours	ECTS	Hours	ECTS	Hours	ECTS		
TEACHING ACTIVITIES														
Required courses	40	10	76	22									116	32
Elective modules and elective courses			20	5	60 (20+20+20) ili (20+20+10+10)	15	40 (20+20) ili (20+10+10)	10					120	30
Disscussion panels/ workshops not included in required courses	42	13											42	13
SCIENTIFIC AND RESEARCH ACTIVITIES														
Doctoral thesis project defence						10								10
Students 'scientific work		5		5		5		20		10				45
Doctoral dissertation defence										20		30		50
Total	**82**	**28**	**96**	**32**	**60**	**30**	**40**	**30**		**30**		**30**	**278**	**180**

Remark 1 ECTS = 30 hours of student¨s overall engagement

A.3.7. REQUIREMENTS FOR APPROVING THE TOPIC OF THE DOCTORAL DISSERTATION

Prior to the beginning of the doctoral study

Upon enrolment in the doctoral study the student must have a potential supervisor and a proposal on a restricted field of research. During the interview with the applicant, within the application process, an applicant who has not found a potential supervisor will be provided an additional appointment for an interview and assistance from a counsellor in choosing a supervisor pursuant to the applicant's interest for a specific field of research. In addition, at the beginning of the study each applicant signs a statement on part-time studying and a statement on his ability of meeting the requirements comprised in the study programme.

During the first year of study

In the course of the first semester a potential supervisor becomes the chosen supervisor by signing an approval confirming his acceptance of the doctoral student, then combined with the student, he chooses and submits the topic for the doctoral thesis before the student enrols in the third semester. Within that same period of time, they are required to submit a proposal elaborating the financial conditions for the research in order for the Board of Doctoral Study to assess if the research can be realistically carried out. Before enrolling in the second year of study, the doctoral student submits an annual report on his research progress pursuant to the forms of the University of Zagreb, whereas the supervisor presents an annual report on the student's progress.

During the second year of study

The public doctoral thesis defence must take place no later than three months after submitting the DR.SC.01 form, after the forming of the Committee for Doctoral Thesis Evaluation and Supervisor Proposal which is appointed by the Faculty Council at the proposal of the Board of Doctoral Study. Likewise, another prerequisite for the public doctoral thesis defence is the approval from the Committee for Scientific Work and Ethics which is associated with ethical aspects of the research. After the public doctoral thesis defence, based on the grade from the Committee for Doctoral Thesis Evaluation and Supervisor Proposal, the Board of Doctoral Study proposes to the Faculty Council to make the final decision on accepting the doctoral thesis topic which is then forwarded to the Field Committee of the University of Zagreb. The Senate of the University of Zagreb approves the doctoral thesis topic and the supervisor during four semesters.

Before enrolling in the third year of study, the doctoral student submits an annual report on his research progress, whereas the supervisor presents an annual report on the student's progress.

During the third year of study

The third year of study is entirely intended for the production of the doctoral thesis, and at the end of the year annual reports are once more submitted on the progress of the research both by the supervisor and by the doctoral student.

Fourth to eighth year of study

At the end of the third year of study, and no later than six months before the expansion of the student's right to complete his study, the doctoral student must present his doctoral thesis, as well as a written consent and evaluation from the supervisor on the conducted research. The Board of Doctoral Study determines if the doctoral student met all the requirements specified in the study programme and then proposes to the Faculty Council to appoint the Committee for Doctoral Thesis Evaluation. No later than two months after its appointment, the Committee for Doctoral Thesis Evaluation submits a written report with the grade for the doctoral thesis. After accepting the decision on the grade for the doctoral thesis, the Faculty Council appoints the Committee for Doctoral Thesis Defence. Following the completion of the public defence of the doctoral thesis, the Committee for Doctoral Thesis Defence presents a transcript on the public defence in question, thereupon the doctoral study is considered to be completed.

The defence of the doctoral thesis project is public. In order for the Board of Doctoral Study to approve a topic and appoint a Committee for Doctoral Thesis Project Evaluation, the topic must be distinctly elaborated, that is, the thesis title must provide the most condensed description of the thesis, the key words must thoroughly demonstrate the objectives of the research, and the problem analysis must provide information on weather similar research on the problem in question have previously been conducted (when and where), in what aspect would this research be different than others, and with an explanation of how science accounts for the problems associated with such research. The objective of the research must be concise and accurately specified, whereas the scientific hypothesis of the research must be correctly formulated. In the predicted plan of work during the research students should pay special attention to the description of examinees or materials which will constitute a sample and they should mention the size of the sample, the existence of a control group or they should elaborate on the specific quality regarding the research topic. All essential procedures mentioned in the chapter on Methods must be adequately illustrated and explained, and if a procedure is briefly described, the bibliographical quotation from the published paper in which the procedure is explained in detail must be stated. Upon registering the research it should be clearly stated that honouring bioethical standards and principles is assured in keeping with the established scientific standards. The research methodology should intelligibly explain in which manner the information shall be gathered, which features and measuring instruments will the gathered information demonstrate and which statistical procedures will be used for their analysis. Students must also specify the importance of their research, as well as its expected scientific impact. In case that the afore-said, for some reason, cannot be applied to a student’s research topic, the student must present particular reasons demonstrating the specific quality of his research. The Board of Doctoral Study shall pay special attention to the predicted scientific contribution of a research, as in that respect each research is expected to demonstrate an original scientific contribution and sufficient arguments explaining its scientific justifiability.

Likewise, the Committee for Doctoral Studies shall particularly evaluate the realistic conditions for conducting a research, such as financial resources, laboratory equipment, availability of laboratories and

other similar requirements, in order to avoid having a doctoral student be compelled to considerably prolong his research or even fail to complete it.

Before enrolment to the second year of study, in consultation with the supervisor and depending on the chosen topic for the doctoral dissertation, students opt for modules which will assist them in their research and additionally prepare them for independent scientific activity within certain fields of kinesiology or other interdisciplinary areas.

Students who directly enrol to the third year of study, that is, doctoral students holding a previously acquired degree of Master of Science and students who immediately continue to the final two semesters of the doctoral study, are required to submit the doctoral thesis topic during the fifth semester, whereas the doctoral thesis project must be submitted by the end of the sixth semester.

A.3.8. REQUIREMENTS FOR COMPLETION OF STUDY

The doctoral student may proceed with the defence of his doctoral dissertation if, in a given period of time, based on class attendance, passed exams, fulfilled scientific requirements and successfully defended doctoral thesis project, he earned 130 ECTS credits (in respect of the students direct enrolled in the doctoral study). For successful defence of the doctoral dissertation the student earns final 50 ECTS credits, which makes the total of 180 ECTS credits for the doctoral study of kinesiology.

A.3.9. POSSIBILITY OF IMPLEMENTATION OF THE DOCTORAL STUDY PROGRAMME IN THE ENGLISH LANGUAGE

Pursuant to the international orientation of the Faculty of Kinesiology and cooperation agreements signed with a number of scientific institutions from the same scientific field, it can be reasonably expected that the proposed programme of the doctoral study should be interesting to foreign students as well. This refers more to partial enrolment of individual semesters and courses than to the doctoral study as a whole. The list of courses available in English is set out in the following chapter.

Scientific research and scientific papers in English published in relevant scientific publications in Croatia and abroad provide an objective footing for the implementation of the study programme in English. The teachers who offer the option of courses taught in English have necessary relevant references, as shown in the attached completed teachers and supervisors forms.

Bellow is a list of courses which could be taught in English and it is noticable that more than 90 percent of all courses could be in English. In case of the non Croatina speaking students enrolment , the courses that are not taught in English will be organized individually (with a help of an English speaking mentor or assistant).

A.3.10. LIST OF COURSES/MODULES THAT CAN BE OFFERED IN ENGLISH

Distribution group I

- Statistical Methods in Kinesiology / Required course
- Measuring Instruments in Experimental Kinesiology / Required course

Distribution group II – elective modules courses

- Research on Transformation Processes in Sport / Module Kinesiology of Sport
- Research on Sport and Sport Activities / Module Kinesiology of Sport
- Research on Athlete Characteristics / Module Kinesiology of Sport
- Kinesiology and Health Promotion / Module Kinesiological Recreation
- Kinesiology in Tourism and Leisure / Module Kinesiological Recreation
- Management and Evaluation of Kinesiological Recreation Programmes / Module Kinesiological Recreation
- Diagnostics in Kinesitherapy / Module Kinesitherapy
- Research Methodology in Kinesitherapy / Module Kinesitherapy
- Scientifically Founded Planning and Programming in Kinesitherapy / Module Kinesitherapy
- Biological Mechanisms of Physical Activity Impacts on Chronic Disease Prevention / Module Kinesiological Anthropology
- Variability in Physical Activity-Related Biological Properties / Module Kinesiological Anthropology
- Physical Activity in Tertiary Prevention of Chronic Diseases
- Limits of Human Performance /Module Biomedicine of Sport and Exercise
- Objective Indicators of Muscle Damage, Fatigue and Overtraining / Module Biomedicine of Sport and Exercise
- Modelling Human Power Capacities / Module Biomedicine of Sport and Exercise
- Motivational Processes in Exercise and Sport / Module Social and Humanistic Aspects of Sport and Exercise
- Psychological Aspects of Physical Activity / Module Social and Humanistic Aspects of Sport and Exercise
- Sociology of Small Groups / Module Social and Humanistic Aspects of Sport and Exercise

Distribution group II – elective courses

- Economic Evaluation of Sport and Recreation Programmes in Tourism / Elective course
- Complementary Programmes in Kinesiological Recreation / Elective course
- Medicinal Products and Doping / Elective course
- Addictions – Early Interventions / Elective course

- Athlete Diet: DietaryMethods and Nutrition QualityAssessment / Elective course
- Muscle Fatigue / Elective course
- Identifying Basic Motion Strategies in Various Sports / Elective course
- Prevention of Injuries in Children and Young Athletes / Elective course
- Modern Approach in Diagnosis and Treatment of Acute and Chronic Pain in Neurology / Elective course

A.3.11. CRITERIA AND REQUIREMENTS FOR ENROLLING IN COURSES/MODULES FROM OTHER DOCTORAL STUDIES

The Faculty of Kinesiology encourages its doctoral students to enroll in courses, and even modules, from other doctoral studies. The main criterion is that these courses/modules comply with the programme of the doctoral study of the Faculty of Kinesiology, on the one hand, and with the elected programme or topic of the doctoral dissertation of the doctoral student signing up for the course or the module from other doctoral studies, on the other.

Several doctoral studies of the Faculties of the University of Zagreb and a number of doctoral studies organised abroad offer programmes that are related to the field of kinesiology and its branches. This refers primarily to faculties of social sciences and humanities (psychology, pedagogy, sociology, economics and business, philosophy, ethics), but also to faculties in the area of biomedicine, mostly in certain scientific disciplines of medicine.

Most important is that the student who wishes to transfer to a course or a module from other doctoral study arranges the transfer in agreement with his supervisor and obtains the approval of the faculty which hold the concerned doctoral study. The elected course should correspond to the student's doctoral thesis project and doctoral dissertation topic. Upon the supervisor's proposal and on the student's request, based on the obtained approval from the Faculty offering that other doctoral study, the Board of Doctoral Study decides to approve the enrollmet to the concerned course.

A.3.12. ORGANISATION OF THE FULL-TIME STUDY AND THE PART-TIME STUDY

The proposed doctoral study is organized as a part-time study. The doctoral study of kinesiology is performed as a three-year study, i.e. six semesters. The study comprises of obligatory courses, courses within two elective modules, elective courses, various scientific activities (active participation in scientific conferences and published scientific papers) and the production and defence of the doctoral thesis. In principle, the student study requirements and the student workload are evenly distributed. This type of structure of the study programme, along with an adequate dedication and continuous work on behalf of the students, ensures an appropriate rhythm of studying and the completion of their study within an optimal time limit.

Part-time doctoral students effectively take courses according to the following workload of hours per semester: first semester – 82 hours from the distribution group I, second semester – 96 hours from distribution groups I and II, third semester – 60 hours from the distribution group II, fourth semester – 40 hours from the distribution group II, in the final two semesters students are not required to take courses.

The teaching process at the doctoral study is temporarily typically organized and performed during several concentrated cycles per semester.

In order for students to verify a semester they must meet certain requirements; regular class attendance and fulfilling other student obligations, as well as timely obtained signatures from all course teachers which confirm that a student had met all his student requirements.

A.3.13. DESCRIPTION OF THE SYSTEM OF ADVISING AND GUIDING DOCTORAL STUDENTS THROUGH THE DOCTORAL STUDY, APPOINTMENT OF STUDY ADVISOR IN THE PROCESS OF ENROLMENT INTO THE DOCTORAL STUDY, AND HIS/HER DUTIES

Pursuant to the proposed doctoral study programme, all students will be part-time students. Therefore, it is necessary to ensure good communication and access to information for the doctoral students. As it is expected that a great number of doctoral students are employed with other institutions and take various employment positions elsewhere, not only the schedule of lectures, but also the availability of supervisors and teachers will be adjusted to student needs, in consultation with the student. Doctoral study effectiveness depends on the possibilities to obtain quality information from teachers, associates and postgraduate registry officers. Upon enrolment in the doctoral study, the student will be assigned, where appropriate, an advisor to be appointed from among potential supervisors. The advisor needs not necessarily be the student's supervisor, but should provide guidance to the student in choosing the right area of study based on his affinities, and recommend the supervisor to be appointed for guiding the student through the process of research for the doctoral dissertation. Particular importance is attached also to the module leaders, who will assist the students and their supervisors in solving certain research issues during the second year of study. Access to the Faculty's expert service for postgraduate studies

is provided to doctoral students both by e-mail and during normal office hours every working day. Doctoral study students can consult the expert service for advice on how to settle certain organisational problems. The doctoral study webpage within the website of the Faculty of Kinesiology and the doctoral study website in the Merlin system has an important role in the study advice and guidance system.The latter will provide all relevant information on the study, modes of communication, schedule of lectures, elective modules, elective courses, registering for exams, consultations, and activities of advisors and doctoral thesis leaders.

A.3.14. RIGHTS AND OBLIGATIONS OF DOCTORAL STUDENTS, MENTORS AND STUDY PROVIDERS

The Faculty of Kinesiology, as the provider of the study, will conclude an agreement with each doctoral student on mutual rights and obligations throughout the duration of the doctoral study.

In compliance with the enrolment requirements and the duration of the study stated in the Regulations on doctoral studies at the University of Zagreb (chapter 6, paragraph 8, page 6), and in view of the fact that the proposed doctoral study programme envisions the study as part-time, the duration of the doctoral study is five years at the most. However, for legitimate reasons on which the Board of Doctoral Study has the authority to decide on, the duration of the study can be extended to seven years with valid argumentation. After the expiration of eight years since enrolment, a doctoral student loses the right to defend his doctoral thesis.

In case that a student regards there are problems of objective or subjective nature in his communication with the supervisor or advisor, he must inform the Board of Doctoral Study on that matter in written form.

Pursuant to the orders of the Regulations on doctoral studies at the University of Zagreb, each student is required to produce an annual report on the progress of his research, as is each supervisor to produce an annual report on the student's advancement on University forms DR.SC.04. and DR.SC.05. Based on the mentioned reports from students and their supervisors, the Board of Doctoral Study is required to submit an annual report on the work at the doctoral study (DR.SC.09) to the Faculty Council. The Student Services Office at the doctoral study also monitors how well students fulfil their obligations, all for the purpose of checking if students meet their requirements and establish the right to enrol to the following year of study.

Doctoral student rights also include assessments of the supervisor's work, individual courses and modules, teachers at the doctoral study and the Student Services Office at the doctoral study. The mentioned reports are an integral part of the overall evaluation of the doctoral study based on which the Board of Doctoral Study produces annual reports.

The successfulness of the doctoral study depends on the possibility of receiving quality information from teachers, associates and the head of the Student Services Office at the doctoral study, therefore, the functions of the Board of Doctoral Study, the head of research modules and, naturally, the supervisors are of particular

importance, as they assist doctoral students in solving current problems and provide them with answers to their questions so that students can successfully pass exams and complete the doctoral study.

A.3.15. COST OF THE STUDY PROGRAMME PER DOCTORAL STUDENT

The realization of the doctoral study programme typically takes place at the Faculty of Kinesiology, in lecture rooms, laboratories and research centres. However, part of the study programme is also executed as field work, which implies that various measurements or experimental treatments which are part of scientific projects can be carried out within the school system, in sport clubs, sports and recreation centres, sports and rehabilitation centres or tourist destinations. Each individual research project requires ensuring the necessary equipment for taking measurements and conducting diagnostic procedures, further areas and equipment for conducting experimental treatments, as well as qualified experts in particular stages of planned projects.

The doctoral study of kinesiology is financed exclusively from student tuition fees. Pursuant to the regulations of the Faculty of Kinesiology, 50% of the total amount collected from tuition fees is intended for covering the direct costs of the doctoral study, such as the following: fees for teachers and associates for conducting classes and exams; fees for student supervisors; travelling and accommodation expenses for visiting teachers; use of laboratory equipment; procurement of literature; fees for the head of postgraduate studies and elective module supervisors, etc.

Taking into account both the above-mentioned expenses and the average number of doctoral students (30 students in the latest generations), we can establish the fact that the average tuition fee for each year of study amounted close to 16.000,00 kn per enrolled student. This average amount can be modified depending on the number of enrolled students in a particular generation.

The Faculty of Kinesiology covers the full amount of the tuition fee for its employees, whereas pursuant to the decision of the University Senate, students from other constituents of the University of Zagreb cover 50% of the designated tuition fee.

Provided that the Ministry of Science, Education and Sports subsidizes a part of the tuition fee, in accordance with their criteria for funding doctoral training and a predetermined list of priorities, the study expenses for each enrolled student shall be proportionally reduced.

A.4. METHODS OF MONITORING QUALITY OF THE DOCTORAL STUDY

A.4.1. LIST OF QUALITY INDICATORS SUCH AS SCIENTIFIC OR ARTISTIC PRODUCTION OF TEACHERS AND DOCTORAL STUDENTS, QUALITY OF INSTRUCTION, RELEVANCE AND QUALITY OF DOCTORAL DISSERTATIONS, STATISTICAL DATA ON DURATION OF STUDY, STATISTICAL DATA ON THE NUMBERS OF NEW HOLDERS OF DOCTORAL DEGREES IN RELATION TO THE NUMBERS OF DOCTORAL STUDENTS ANNUALLY, INTERNATIONAL COOPERATION REALIZED, EMPLOYABILITY OF NEW HOLDERS OF DOCTORAL DEGREES

Statistical indicators related to the monitoring of quality of the doctoral study of kinesiology are based on data collected since latest reform of the study, i.e. as of academic year 2006/2007.

(1) The model of doctoral study that has been in use so far defines the scientific production resulting from the research activities of doctoral students as the main indicator of the quality of the programme. The results of scientific research obtained in doctoral dissertations, and made publicly available through scientific journals indexed in international databases, are considered to be the indicator of quality of the doctoral programme in kinesiology.

(2) The quality of teaching is evaluated through anonymous student surveys described in chapter A.4.2.

(3) The analysis of a certain number of doctoral dissertations that have been successfully defended since 1 October 2006 shows that the time needed to complete the doctoral programme and officially finish the studies (successfully defend the dissertation) was 79.0 months or 6.7 years on average. The sample taken in that analysis consisted of doctoral students who earned their doctor's degree partially or fully under the Bologna process. Whereby, 8 out of 23 candidates in total had to defend their master's theses transferred from the former programme and subsequently fulfil all requirements under the new programme. Candidates who transferred their master's thesis defence from the former programme needed 116.2 months in total to earn the degree of Doctor of Science, whereby to complete the doctoral study only, it took them 38.3 months. Candidates who completed their doctoral study fully under the new programme (as of 1 October 2006) needed 59.2 months on average to acquire the degree of Doctor of Science.

(4) As of the specified date of reform, 207 new students enrolled in the doctoral study of kinesiology. Since then, the degree of Doctor of Science has been awarded to 72 doctoral students, including those enrolled before the reform. In the analysed period, at the level of one academic year, the ratio is 29.6 enrolled doctoral students to 10.3, or somewhat more than one third, Doctors of Science.

(5) During their doctoral studies, the doctoral students are encouraged to establish cooperation with international institutions and scientists of various profiles. Official study visits to foreign institutions and joint participation in scientific research (and publishing scientific papers) with foreign researchers are

counted as aspects of international cooperation. During the analysed period, two students accomplished relevant results as visiting scholars at the University of Koper, and the University of Leuven respectively.

(6) Almost all 72 completed doctoral students, i.e. exactly 69 of them, are full-time employed, 49 of them taking positions in higher education. The analysis shows that their employment position mostly matches the level of their qualification.

A.4.2. DESCRIPTION OF THE METHOD OF PARTICIPATION BY DOCTORAL STUDENTS IN PROCEDURES OF EVALUATION OF THE PROGRAMME OF THE DOCTORAL STUDY

Using forms prescribed by the University (DS.SC.04 and DR.SC.05), doctoral students and their supervisors submit annual reports on the research progress.

On the basis of above-mentioned reports from students and supervisors, the Board of Doctoral Study submits an annual report on the work of the doctoral study to the Faculty Council and to the University of Zagreb (DR.SC.09). The Board's annual report is also based on the information gathered from conducting anonymous student questionnaires on the following aspects of the doctoral study: the usefulness and quality of information sources for studying; the usefulness of the teaching process for understanding assigned topics; contents and quality of elective courses; contents and quality of obligatory courses; an assessment of the number of classes in relation to the amount of research; number of available elective courses; quality of the teaching staff.

Doctoral students evaluate both the teachers and the course contents in an anonymous survey. The results of the survey are known only to the doctoral study leader and the course leader. With a view to ensuring that the doctoral student is involved in the procedure of evaluation of the doctoral study, an additional survey will be conducted in relation to availability of information, of expert services and of supervisors. Based on the survey conducted among the students of the former doctoral study programme, some problems were identified, such as: almost 100 % of our doctoral students are fully employed in other institutions; only 1 to 3 of them are scientific trainees at the Faculty, i.e. present on the premises on a daily basis. For this reason, we are of the opinion that part-time study is the only possibility for now. Besides, it is not satisfactory that merely 15 % of candidates should choose their supervisor during the first year of study, and as many as 50 % as late as in the third year. We hope this will change with the implementation of the new proposed doctoral study that requires the selection of supervisors during the first year of study. It is considered favourable that about 70 % of candidates indicated that the first supervisor they had selected accepted the mentorship, 25 % of candidates managed to select their supervisors in the second try, and 5 % of candidates were successful in the third try only. The candidates who could not have found the supervisor in the first try indicated that either the supervisor had been too busy already, or was not competent for the field in which the candidate wanted to work, or they had decided independently to change the topic in the meantime. More than a half of candidates indicated that they communicated with their supervisors by all available means of communication

(e-mail, in person, by phone). One fourth of them communicates mainly by e-mail or through personal consultations on the Faculty premises. Another reported fact that is considered satisfactory is that 95 % of candidates indicate that in case they needed their supervisor's advice, they would get it within a week. Only 5 % answered "within a month". No one reported that the supervisor's advice was hard to obtain.

Through these surveys, the Doctoral Study Board will collect useful information on the basis of which it will try to introduce necessary adaptations and revise the programme as far as possible, to enable the students to successfully complete their studies and defend their doctoral dissertation.

A.4.3. PROCEDURES FOR MONITORING AND IMPROVING THE QUALITY OF THE DOCTORAL STUDY PROGRAMME, AS WELL AS FOR MONITORING OF SUCCESS IN IMPLEMENTATION OF THE DOCTORAL STUDY (PROCEDURES OF EVALUATION AND SELF-EVALUATION – ANNUAL SELF-EVALUATION OF THE STUDY PROGRAMME, ANNUAL SELF-EVALUATION OF DOCTORAL STUDENTS, REVISION AND IMPROVEMENT OF THE DOCTORAL STUDY IN ACCORDANCE WITH QUALITY MONITORING RESULTS AND RESULTS OF SELF-EVALUATION OF THE PARTICIPANTS IN THE DOCTORAL PROGRAMME)

The Faculty of Kinesiology continuously monitors the realization of all study programmes through the work of appointed professional committees and the Faculty Council. The study programmes are regularly improved in view of coordinating all course contents with current scientific notions, enhancing teaching methods and reporting on recent literature editions and student successes.

Pursuant to the valid acts of the University of Zagreb, a decision on minor modifications and additions in the study programme (modification of the programme's contents up to 20%) is independently adopted by the Faculty Council of the Faculty of Kinesiology at the proposal of the Board of Doctoral Study.

A decision on a major revision, that is, on introducing a new study programme is adopted by the Faculty Council if at the end of at least one generation of doctoral students it is recognized that the quality of the study programme is not at the appropriate level which would thus require corrections in over 20% of the programme's contents.

External evaluation by the Agency for Higher Education of the Ministry of Science, Education and Sports involves, among other things, the monitoring of the level of quality of the doctoral study. A part of the five-year self-evaluation undertaken within the framework of external evaluation deals with doctoral studies, in particular. Numerous parts of evaluation address supervisors' publications made with or without doctoral students' assistance, the number of successfully defended doctoral dissertation in relation to the number of enrolled students, students' satisfaction with supervisors' availability, and the like. The overall favourable external evaluation of the Faculty of Kinesiology of the University of Zagreb significantly depends on the favourable evaluation of the quality of the Faculty's doctoral study. The Faculty will follow new trends in European higher education community, and will respect doctoral students' and external evaluators' opinions

to get feedback on the quality and effectiveness of the doctoral study. Anonymous surveys and questionnaires for individual evaluation of courses, teachers and supervisors will be used to gather information in order to evaluate effectiveness of the study programme in all its elements. These anonymous surveys, and scientific achievements of doctoral students (papers published in cooperation with their supervisor and other candidates, completion of the study according to the required rhythm, and the like) will provide a sound foundation for doctoral study self-evaluation to be initiated after scheduled completion of academic programme of each generation (completed third year of study). In addition, it is expected that the academic community, i.e. the University of Zagreb should evaluate the study programme on a regular basis, and judge its quality based on reliable performance indicators.

A.5. LIST OF COURSES/MODULES

A.5.1. REQUIRED COURSES (credit distribution group I)

Nr.	REQUIRED COURSES	SEM	Lectures	Research seminars	Workshops	Discussion panels	Total hours /ECTS	COURSE LEADER
5.1.1	Statistical Methods in Kinesiology	II	6	8	20	0	**34/10**	Full Prof. Miljenko Marušić
5.1.2	Measuring Instruments in Experimental Kinesiology	II	6	12	18	6	**42/12**	Full Prof. Marjeta Mišigoj-Duraković
5.1.3	Applied Kinesiology Research	I	8	12	10	10	**40/10**	Full Prof. Dragan Milanović

All enrolled students take the required courses during the first year of study. During the first year, the student is required to select the supervisor, choose and submit the topic of the doctoral dissertation (the submitted doctoral thesis project is a prerequisite for enrolment in the second year of study).

By the end of first-year classes, the student, assisted by his supervisor, selects the module and the courses to sign up for in subsequent semesters of the study.

Required workshops (I. semester of the study)
Scientific Writing, Publishing and Evaluation – three workshops
Research Methodology of Kinesiology – three workshops

A.5.2. COURSES WITHIN ELECTIVE MODULES OF RESEARCH FIELDS A (credit distribution group II)

Nr.	COURSES OF ELECTIVE MODULES	SEM	Lectures	Research seminars	Workshops	Discussion panels	Total hours /ECTS	COURSE LEADER
5.2.1	**KINESIOLOGY OF SPORT**							Full Prof. Dragan Milanović Full Prof. Igor Jukić
5.2.1.1	Research on Sport and Sport Activities	II	4	8	4	4	**20/5**	Full Prof. Dragan Milanović Full Prof. Igor Jukić
5.2.1.2	Research on Athlete Characteristics	III	4	8	4	4	**20/5**	Full Prof. Igor Jukić
5.2.1.3	Research on Transformation Processes in Sport	III	4	6	8	2	**20/5**	Full Prof. Dragan Milanović

ILI

5.2.2	**KINESIOLOGICAL RECREATION**							Full Prof. Mirna Andrijašević
5.2.2.1	Kinesiology and Health Promotion	II	4	6	4	6	**20/5**	Full Prof. Mirna Andrijašević Full Prof. Lana Ružić
5.2.2.2	Kinesiology in Tourism and Leisure	III	4	10	4	2	**20/5**	Full Prof. Mirna Andrijašević
5.2.2.3	Management and Evaluation of Kinesiological Recreation	III	4	6	10	0	**20/5**	Full Prof. Mirna Andrijašević

ILI

5.2.3	**KINESITHERAPY**							Assoc. Prof. Dubravka Ciliga
5.2.3.1	Diagnostics in Kinesitherapy	II	2	6	12	0	**20/5**	Assoc. Prof. Dubravka Ciliga
5.2.3.2	Research Methodology in Kinesitherapy	III	4	14	0	2	**20/5**	Asst. Prof. Iris Zavoreo
5.2.3.3	Scientifically Founded Planning and Programming in Kinesitherapy	III	2	6	12	0	**20/5**	Assoc. Prof. Dubravka Ciliga

ILI

5.2.4	**KINESIOLOGICAL ANTHROPOLOGY**							Full Prof. Marjeta Mišigoj-Duraković
5.2.4.1	Biological Mechanisms of Physical Activity Impacts on	II	6	10	4	0	**20/5**	Full Prof. Marjeta Mišigoj-Duraković
5.2.4.2	Variability in Physical Activity-Related Biological Properties	III	4	6	6	4	**20/5**	Full Prof. Marjeta Mišigoj-Duraković
5.2.4.3	Physical Activity in Tertiary Prevention of Chronic Diseases	III	4	6	8	2	**20/5**	Asst. Prof. Zdravko Babić

From the offered elective modules, the student selects one module. Within the selected module, the student can select and sign up for all three courses of the module or two courses of the module plus two elective courses, worth 15 ECTS credits in total.

A.5.3. COURSES WITHIN ELECTIVE MODULES OF OF RESEARCH FIELDS B (credit distribution group II)

Nr.	COURSES OF ELECTIVE MODULES	SEM	Lectures	Research seminars	Workshops	Discussion panels	Total hours /ECTS	COURSE LEADER
5.3.1	**ASSESSMENT AND EVALUATION OF PHYSICAL CONDITIONING**							Full Prof. Igor Jukić
5.3.1.1.	Assessment and Evaluation of Motor Abilities	IV	4	4	8	4	**20/5**	Full Prof. Igor Jukić.
5.3.1.2.	Assessment and Evaluation of Functional Abilities	IV	4	4	8	4	**20/5**	Full Prof. Igor Jukić
5.3.1.3.	Development of Physical Conditioning Abilities	III	4	8	4	4	**20/5**	Full Prof. Igor Jukić Full Prof. Damir Sekulić

ILI

5.3.2	**BIOMECHANICS AND MOTOR CONTROL IN SPORT AND EXERCISE**							Assoc. Prof. Goran Marković Full Prof. Vladimir Medved
5.3.2.1.	Human Movement Control – Neurophysiological Aspects	IV	4	2	12	2	**20/5**	Assoc. Prof. Goran Marković
5.3.2.2.	Selected Biomechanics and Motor Control Chapters	III	4	10	2	4	**20/5**	Full Prof. Vladimir Medved Assoc. Prof. Goran Marković
5.3.2.3.	Biomechanics of Locomotion	IV	2	4	12	2	**20/5**	Full Prof. Vladimir Medved

ILI

5.3.3	**BIOMEDICINE OF SPORT AND EXERCISE**							Full Prof. Branka Matković
5.3.3.1.	Limits of Human Performance	IV	4	10	4	2	**20/5**	Full Prof. Lana Ružić
5.3.3.2.	Objective Indicators of Muscle Damage, Fatigue and Overtraining	III	4	6	8	2	**20/5**	Full Prof. Branka Matković
5.3.3.3.	Modelling Human Power Capacities	IV	2	4	10	4	**20/5**	Asst. Prof. Davor Šentija

ILI

5.3.4	SOCIAL AND HUMANISTIC ASPECTS OF SPORT AND EXERCISE							Assoc. Prof. B. Perasović Assoc. Prof. Renata Barić
5.3.4.1.	Motivational Processes in Exercise and Sport	III	4	6	8	2	**20/5**	Assoc. Prof. B.Perasović Assoc. Prof. Renata Barić
5.3.4.2	Psychological Aspects of Physical Activity	IV	4	8	4	4	**20/5**	Asst.Prof. Zrinka Greblo Assoc. Prof. Renata Barić
5.3.4.3.	Sociology of Small Groups	IV	2	4	10	4	**20/5**	Assoc. Prof. B. Perasović

From the offered elective modules, the student selects one module. Within the selected module, the student can select and sign up for all three courses of the module or two courses of the module plus two elective courses of the module, worth 15 ECTS credits in total.

A.5.4. ELECTIVE COURSES (credit distribution group II)

Nr.	ELECTIVE COURSES	SEM	Lectures	Research seminars	Workshops	Discussion panels	Total hours /ECTS	COURSE LEADER
5.4.1.	Economic Evaluation of Sport and Recreation Programmes in Tourism	III/IV	2	2	4	2	**10/2.5**	Full Prof. Darko Prebežec
5.4.2.	Complementary Programmes in Kinesiological Recreation	III/IV	2	2	6	0	**10/2.5**	Full Prof. Mirna Andrijašević
5.4.3.	Choreography in Conventional Sports	III/IV	2	2	6	0	**10/2.5**	Full. Prof. Gordana Furjan-Mandić
5.4.4.	Medicinal Products and Doping	III/IV	2	4	0	4	**10/2.5**	Full Prof. Dinko Vitezić
5.4.5.	Muscle Fatigue	III/IV	2	2	6	0	**10/2.5**	Asst. Prof. Katja Tomažin
5.4.6.	Addictions – Early Interventions	III/IV	2	4	0	4	**10/2.5**	Assoc. Prof. Zoran Zoričić
5.4.7.	Athlete Diet: Dietary Methods and Nutrition Quality Assessment	III/IV	2	4	2	2	**10/2.5**	Asst. Prof. Zvonimir Šatalić
5.4.8.	Identifying Basic Motion Strategies in Different Sports	III/IV	2	6	0	2	**10/2.5**	Asst. Prof. Aleš Dolenec
5.4.9.	Prevention of Injuries in Children and Young Athletes	III/IV	2	6	0	2	**10/2.5**	Full Prof. Dragan Milanović
5.4.10.	Modern Approach in Diagnosis and Treatment of Acute and Chronic Pain in Neurology	III/IV	2	2	4	**2**	**10/2.5**	Asst. Prof. Iris Zavoreo

During the study, the student may attend elective courses worth maximum 10 ECTS credits, and 40 hours of classes.

A.5.5. SCIENTIFIC ACTIVITY OF DOCTORAL STUDENTS (distribution group III)

The scientific work performed by students during the doctoral study comprises various activities, such as writing and publishing scientific papers.

In keeping with the principle that scientific training cannot be accomplished without active participation in scientific and research activities and without publishing scientific papers, each doctoral student is required to earn the necessary ECTS credits from this distribution group.

During their doctoral study students must earn at least 45 ECTS credits as a result of publishing scientific papers and one of the published papers must be of category 1.1 (one of the first three authors) or category 1.2 as the first author.

A.5.6. PARTICIPATION IN INTERNATIONAL AND DOMESTIC SCIENTIFIC OR SCIENTIFIC AND EXPERT CONFERENCES, AND LECTURES ORGANIZED AS PART OF ELECTIVE COURSES

During their study and no later than before submitting their doctoral dissertation for evaluation, doctoral students are required to attend:

- international and domestic scientific or scientific and expert conferences;
- lectures by foreign teachers organized by the Faculty of Kinesiology; lectures and seminars organized by other faculties and universities along with evidence of their participation and filing a request for their attendance at the lecture to be recorded; e-workshops and e-seminars along with a written receipt of their participation;
- other forms of scientific training cannot be acknowledged without a detailed argumentation and a written request for assigning ECTS credits

Among the mentioned requirements, students are required to participate in two scientific or scientific and expert conferences during the year, out of which in at least one conference they must participate with an active presentation of their paper, for which they must obtain a corresponding receipt.

Out of the remaining requirements which were stated above, students must participate in at least one each year (students shall be informed on the web site of the doctoral study).

EVIDENCE OF SCIENTIFIC ACTIVITY		Number of ECTS credits
1.1.	**Article in a WOS base indexed journal**	
	First author	23
	Second to third author	18
	Fourth, and other authors	13
1.2.	**Article in a journal indexed in other databases (SCOPUS, CabAbstracts, and the like), which is evaluated as A1, under the currently applicable criteria of the Ministry of Science, Education and Sports**	
	First author	18
	Second to third author	13
	Fourth, and other authors	8
1.3.	**Article in other journals**	
	First author	12
	Second to third author	9
	Fourth, and other authors	6
1.4.	**Article in the proceedings of international scientific and scientific-specialist events**	
	First author	11
	Second to third author	9
	Fourth, and other authors	7
1.5.	**Article in the proceedings of domestic scientific or scientific-specialist events**	
	First author	7
	Second to third author	5
	Fourth, and other authors	3
1.6.	**Abstract in the proceedings of abstracts from scientific and scientific-specialist events**	
	First author	4
	Second to third author	3
	Fourth, and other authors	2

A.5.1. REQUIRED COURSES
(credit distribution group I)

L-lectures; RS- research seminars; W-workshops, DP – discussion panels

Nr.	Title of the Course/Module	**Statistical Methods in Kinesiology**
1.	Required or elective Course/Module	Required Course
2.	Name of the Course/Module Teacher	Full Prof. Miljenko Marušić, PhD
3.	Name of the Course/Module Associate Teacher(s)	
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	34 (6L +8RS+20W+ 0DP)
6.	Outline of the Course/Module Content	This course contains the following topics : - The basics of probability theory. Probability. Event. The probability of an event. Conditional probability. Independent events. Random variable. The expectation and variance of a random variable. Uniform and Bernoulli distribution. Independent random variables. Binomial, Poisson and Normal distribution. - Estimation of parameters. Sample. A probabilistic sampling. A random sample. Estimating the mean, variance. Estimating the proportion. The standard error. A confidence intervals. Estimating the mean when the standard deviation is unknown. (Student's) t-distribution. - Hypothesis testing. Hypotheses testing for means and proportions. Type I and type II errors. - Comparing two population means. T-test. Comparing the means of population with equal and unequal variances. Comparing two population variances (F - test). Power and sample size determination. Comparing the proportions. - Comparing population means (ANOVA). Sources of variation. Calculating the F-statistic. - Repeated-measures analysis. Paired samples t-test. Repeated measures ANOVA. - Correlation and regression. Correlation. Pearson correlation coefficient. Simple and multiple linear regression. Significance of coefficients. Partial correlation. - Analysis of covariance. The relationship between regression analysis and analysis of variance. ANCOVA. - Nonparametric tests. 2-test for quality adjustment (single classification). One-Sample Kolmogorov-Smirnov test. The Wilcoxon signed-rank test. test for multiple classification. Wilcoxon-Mann-Whitney test. Kruskal-Wallis analysis of variance. Friedman's analysis of variance. Cramer's coefficient. Spearman's correlation coefficient. - Logistic regression. Logit transformation. Simple and multiple logistic regression. - Discriminant analysis. Discriminant function. Distance

		between the groups. Discriminant functions for multiple groups. - Factor analysis. Factor analysis model. Latent and manifest variables. Rotations. Determining the number of factors. Principal components method. - Multivariate analysis of variance (MANOVA). Comparing two groups (Hotelling T2) and multiple groups. Repeated measures.
7	The Reading List	1. W.J. Vincent, J.P. Weir, Statistics in kinesiology, 4th edition, Human Kinetics, Champaign, IL, USA, 2012
	The Additional Reading List	1. B. Petz, Osnovne statističke metode za nematematičare, 3. dopunjeno izdanje, Naklada Slap, Jastrebarsko, 1997. 2. S. Siegel i N.J. Castellan, Jr., Nonparametric Statistics for the behavioral sciences, 2nd edition,McGraw-Hill, 1988. 3. N. Viskić-Štalec. Elementi faktorske analize, fakultet za fizičku kulturu, Zagreb, 1991. 4. A. Fulgosi, Faktorska analiza, 2. dopunjeno izdanje, Školska knjiga, Zagreb, 1984. 5. D.W. Hosmer, S. Lemeshow, Applied logistic regression, Wiley, New York, 1989.
8.	Instruction Methods	Lectures, research seminars and workshops
9.	Description of the Course/Module Requirements	Class attendance, homework, seminar essays, colloquium attendance.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	10

gop	Title of the Course/Module	**Measuring Instruments in Experimental Kinesiology**
1.	Required or elective Course/Module	Required Course
2.	Name of the Course/Module Teacher	Full Prof. Marjeta Mišigoj-Duraković, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Igor Jukić, PhD Full Prof. Branka Matković, PhD Full Prof. Vladimir Medved, PhD Assoc. Prof. Goran Marković, PhD Assoc. Prof. Renata Barić, PhD Asst. Prof. Davor Šentija, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	42(6L +12RS+18W+ 6DP)
6.	Outline of the Course/Module Content	This course will provide candidates with the applied kinesiology knowledge in diagnostic procedures. Classes will be based on below mentioned thematic units: - Kinanthropometric diagnostics; - Functional diagnostics of cardio-respiratory system in kinesiology; - Diagnostics of anaerobic capacity; - Kinesiological biomechanics in measurement, analysis and diagnostics of human movement; - Automated kinematic and kinetic measurement of human movement; - Telemetric multi-channel surface electromyography (EMG) of human movement; - Signal processing in kinesiological biomechanics; - Measurement methods for evaluating muscle function; Psychodiagnostics in sport; - Survey method, questionnaires and interviews; - Methods of assessing group processes in sport; - Ethical principles of psychological research and evaluation; - The selection, implementation and evaluation of laboratory test procedures for the assessment of motor and functional abilities; - The selection, implementation and evaluation of field measurement procedures for the assessment of motor and functional abilities.
7	The Reading List	1. Cardinale, M., Newton, R., Nosaka, K. (2011). Strength and Conditioning: Biological Principles and Practical Applications. Wiley Blackwell. 2. Kenney WL, Wilmore IK, Costill L. Physiology of Sport and Exercise. Human Kinetics, Inc. Champaign, IL, 2012. /odabrana poglavlja/ 3. Heyward VH, Wagner DR. Applied Body Composition Assessment Human Kinetics, Inc. Champaign, IL, 2004. /odabrana poglavlja/ 4. Milas, G. (2009). Istraživačke metode u psihologiji i drugim

		društvenim znanostima. Jastrebarsko: Naklada Slap. 5. Medved, V. (2001). Measurement of human locomotion. CRC Press, Boca Raton, Fl. 6. Enoka, R.M (2008.). Neuromechanis of human movement. Human Kinetics, Inc. Champaign, IL.
	The Additional Reading List	1. Handbook of Anthropometry. Physical measures of Breakwell, S.H., Hammond, S. & Fife-Schaw, C. (2003). Research Methods in Psychology. London: SAGE Publications. 2. Human Form in health and Disease.Springer, N.York, 2012Vol1-4. 3. National Strength and Conditioning Association. (2012). NSCA's Guide to tests and assessments. Champaign, IL: Human Kinetics. 4. Medved, V., Cifrek, M. (2011). Kinesiological electromyography. In: Biomechanics in applications, Klika, V. (Ed.), InTech, 349-366
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance and preparation for all forms of classes, seminar work.
10.	Monitoring of Teaching Quality	Survey at the end of classes.
11.	Appointed ECTS	12

Nr.	Title of the Course/Module	**Applied Kinesiology Research**
1.	Required or elective Course/Module	Required Course
2.	Name of the Course/Module Teacher	Full Prof. Dragan Milanović, PhD
3.	Name of the Course/Module Associate Teacher(s)	prof.dr. Mirna Andrijašević, PhD Assoc. Prof. Dubravka Ciliga, PhD Assoc. Prof. Boris Neljak, PhD
4.	Language of the Course/Module	Croatian Language
5.	Number of Lessons	40 (8L +12RS+10W+10DP)
6.	Outline of the Course/Module Content	During this course students will acquire knowledge in basic research methodology in kinesiological education, kinesiological recreation, sport kinesiology and kinesitherapy. - Researches in kinesiological education - Research results from kinesiological education and special research methodology in preschool education; - Research results from kinesiological education and special research methodology in primary education; - Research results from kinesiological education and special research methodology in secondary education; - Research results from kinesiological education and special research methodology in higher education; - Results of master's theses and doctoral dissertations from kinesiological education in Croatia. Research in kinesiological recreation - Research methodology and program evaluation in kinesiological recreation; - Kinesiological recreation research programs in leisure time and tourism; - Kinesiological recreation research programs in regard to the user's age; - Research on the effects of preventive health programs in kinesiological recreation; - Active aging research; Research in sport kinesiology - Methodological foundations and research review of structural, biomechanical and functional characteristics of sports activities; - Methodological foundations and research review of basic and specific abilities and characteristics of athletes; - Methodological foundations and research review of factors of success in sports; - Methodological foundations and research review of effects of exercise methods and coaching the athletes; - Methodological foundations and research review of effects of athletic training program in different cycles.

		Research in kinesitherapy - Research methodology in kinesitherapy; - Prevention and rehabilitation research; - Diagnostic procedures studies in kinesitherapy; - Researches in the field of evaluating effects of kinesitherapy procedures; - Researches on structure, function and plasticity of neuromuscular system in regard to the success of kinesitherapy procedures; - Research on the impact of person's health status specifics on kinesitherapy process results. Within each field of applied kinesiology classes will be conducted in the form of lectures, research seminars, workshops and discussion panels. At research seminars students will work on designing a scientific work according to their own interests.
7	The Reading List	1. Neljak, B., Milanović, D., Novak, D., Petrić, V. (2013.). Smjernice istraživačkog rada u kineziološkoj edukaciji. U: D. Milanović, A. Bežen, V. Domović (ur.) Metodike u suvremenom odgojno-obrazovnom sustavu 2013., (str.148-161). Zagreb: Akademija odgojno-obrazovnih znanosti. 2. Neljak, B., Novak, D., Podnar, H., Antala, B. (2012.). Teaching Didactic Forms and Levels of Male Students´ Physical Activity. Asian Journal of Exercise & Sports Science. 9 (2); 49-56. 3. Harasin, Drazen; Milanovic, Dragan; Coh, Milan (2010). 3d kinematics of the swing arm in the second double-support phase of rotational shot put - elite vs sub-elite athletes. Kinesiology 42 (2): 169-174 Times Cited: 2 (from Web of Science) 4. Andrijasevic, Mirna; Ciliga, Dubravka; Jurakic, Danijel: Is Sports Recreation Important to University Students? Source: Collegium antropologicum Volume: 33 Issue: 1 Pages: 163-168 Published: 2009. 5. Lieber, R. (2010). Skeletal muscle structure, function and plasticity. Thephysiological basis of rehabilitation. Third edition. London: Wolters Kluwer Health/Lippincott Williams & Wilkins.
	Popis dopunske literature	1. Neljak, B., Novak, D., Wee Eng Hoe. (2013.). Barriers for physical activity in certain variables among croatian university students. Malaysian Journal of Sport Science and Recreation. 2. Selmanovic, Aleksander; Milanovic, Dragan; Custonja, Zrinko (2013). Effects of an Additional Basketball and Volleyball Program on Motor Abilities of Fifth Grade Elementary School Students. Collegium Antropologicum 37(2): 391-400 Times Cited: 0 (from Web of Science) 3. Andrijašević M. Workload, active breaks, and leisure-time recreational activities 59.Arh Hig Rada Toksikol

		2012;63(Supplement 3):59-65 4. Filipović, V., Ciliga, D.(2010). Postural adaptation of idiopathic adolescent scolioses (IAS). Review. Kinesiology, 42 (1): 16-27.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Students will prepare a selection of papers from relevant publications and classify them according to specific research topics. One science project will be made according to their own interests.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	10

A.5.2. COURSES WITHIN ELECTIVE MODULES OF RESEARCH FIELDS A (distribution group II)

5.2.1. Module Kinesiology of Sport

Nr.	Title of the Course/Module	**Research on Sport and Sport Activities/ Module Kinesiology of Sport**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full. Prof. Dragan Milanović, PhD Full. Prof. Igor Jukić, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full. Prof. Vesna Babić, PhD Full. Prof. Milan Čoh, PhD Full Prof. Gordana Furjan-Mandić, PhD Full. Prof. Dinko Vuleta, PhD Asst. Prof. Dražen Harasin, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (4L +8RS+4W+4DP)
6.	Outline of the Course/Module Content	During this course students will be searching methodological procedures for implementing various analyses of sports and sport activities. Classes will be held within below mentioned topics in form of lectures, research seminars, workshops and discussion panels. - Researching development trends in different sports and sports results; - Different evaluation criteria for sports (range, competition results, impact on health, applicability to education ...); - Methodological procedures for conducting structural analysis of sport activities; - Methodological procedures for conducting kinematic analysis of sport activities; - Methodological procedures for conducting kinetic and electromyographic analysis of sport activities; - Methodological procedures for conducting a functional analysis of sport and sport activities; - Methodological procedures for conducting energy analysis of sport and sport activities; - Methodological procedures for sport performance analysis (Performance Analysis); - Scores analysis of sports and recreational activities - results and application; - Studies on standard and non-standard indicators of situational efficiency of sports and sport activities; Within research seminars students will receive informations on how to search the scientific literature as well as basic guidelines for preparing research seminars in certain area. Based on the reviewed scientific literature they will define new scientific research problem in the field of analysis of sports and sporting activities. Thus defined scientific research projects, students will present on seminar clAsst. Topics of research seminars are in coordination with lecture topics.
7	The Reading List	1. Hughes, M., & Franks, I. M. (Eds.). (2004). *Notational Analysis of Sport: Systems for Better Coaching and Performance in Sport*. London and New York: Routledge. 2. Reilly, T., & Williams, A. M. (Eds.). (2003). *Science and*

		soccer. London and New York: Routledge. 3. Čoh, M. and Jošt, B. (2000). Biomechanical characteristics of technique in certain chosen sports. Ljubljana: University of Ljubljana, Faculty of sport, Institute of Kinesiology 4. Milanović, D., Jukić, I., Vuleta, D., Gregov, C. and Sporiš, G. (2009). Performance analysis in Sport Games - Methodological approach. In Anita Hökelmann, Kerstin Witte, Peter O'Donoghue (Eds.), World Congress of Performance Analysis of Sport VIII „Current trends in Performance Analysis“, (p.p. 24-33). Shaker Verlag, Aachen. 5. Ohnjec, K., Vuleta, D., Milanović, D. and Gruić, I. (2008). Performance indicators of teams at the 2003 World Handball Championship for woman in Croatia. Kinesiology, 40(1), 69-79.
	The Additional Reading List	1. Chapman, A.E. (2008). Biomechanical analysis of fundamental human movements. Champaign, IL: Human Kinetics 2. Harasin, D., Milanović, D., & Čoh, M. (2010). 3D kinematics of the swing arm in the second double-support phase of rotational shot put–elite vs sub-elite athletes. *Kineziologija*, *42*(2), 169-174. 3. Trninić, S., & Dizdar, D. (2001). *Znanstvena istraživanja košarkaške igre*. Pula: Vikta.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, creating tasks, seminars, etc.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

Nr.	Title of the Course/Module	**Research on Athlete Characteristics/ Module Kinesiology of Sport**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full Prof. Igor Jukić, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Goran Leko, PhD Full Prof. Dragan Milanović, PhD Full Prof. Sergej Ostojić, PhD Full Prof. Damir Sekulić, PhD Assoc. Prof. Goran Sporiš, PhD Luka Milanović, PhD Sanja Šalaj, PhD Vlatko Vučetić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (4L +8RS+4W+4DS)
6.	Outline of the Course/Module Content	During this study course students will be researching methodological procedures by implementing research on athletes' characteristics in different sports and sport disciplines. Classes will be held in the form of lectures, research seminars, workshops and discussion panels. - Researching health profile of athletes (general health indicators in athletes, injury profiles, relations of training/risk factors and injury incidence...); - Researching the morphological characteristics of athletes (body size and abilities of athlete, bone mass in athletes from different sports...); - Motor ability/neuromuscular profiles of athletes; - Functional/energy profiles of athletes; - Psychological and sociological profiles of athletes; - Genetic research in sport; - Relations between individual characteristics and abilities of athletes; - Relations between the characteristics and abilities of athletes with indicators of competitive success and success in sports; - Situational success in athletes; - Researching profiles of athletes training (basic/specific /situational). Within research seminars students will receive informations on how to search the scientific literature as well as basic guidelines for preparing research seminars in certain area. Based on the reviewed scientific literature they will define new scientific research problem in the field of analysis of sports and sporting activities. Thus defined scientific research projects, students will present on seminar clAsst. Topics of research seminars are in coordination with lecture topics.

7	The Reading List	1. Cardinale, M., Newton, R., Nosaka, K. (2011.). Strength and Conditioning: Biological Principles and Practical Applications. Wiley Blackwell. 2. Vuleta D., Milanović, D. et al. (2009). Science in Handball. Zagreb: Faculty of Kinesiology. 3. Sporiš, G., Jukić, I., Ostojić, S. M., Milanović, D., (2009). Fitness Profiling in Soccer: Physical and Physiologic Characteristics of Elite Players. Journal of Strength & Conditioning Research. 23,7, 1947-1953. 4. Sporiš, G., Vuleta, D., Milanović, D. (2010). Fitness Profiling in Handball: Physical and Physiological Characteristics of Elite Players. Collegium antropologicum. 34, 3, 1009-1014. 5. Čoh, M., Milanović, D. Kampmiller, T. (2001). Morphological and kinematic characteristics of Elite sprinters. Collegium antropologicum. 25, 2; 605-610.
	The Additional Reading List	1. Malina, M., Bouchard, C., Bar-Or, O. (2004.). Growth, Maturation, and Physical Activity (2. izd.) Edition Champaign, IL: Human Kinetics. 2. Åstrand, P.O. Rodahl, K., Dahl, H., Strømme, S.B. (2004.). Textbook of Work Physiology - Physiological Bases of Exercise (4. izd.). Champaign, IL: Human Kinetics. 3. Mccarthy, M.M., Voos, J.E., Nguyen, J.T., Callahan, L., Hannafin, J.A. (2013.). Injury Profile in Elite Female Basketball Athletes at the Women's National Basketball Association Combine. American Journal of Sports Medicine, 41, 3, 645.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, creating tasks, seminars, etc.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

Nr.	Title of the Course/Module	**Research on Transformation Processes in Sport/ Module Kinesiology of Sport**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full Prof. Dragan Milanović, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Igor Jukić, PhD Full Prof. Damir Sekulić, PhD Full Prof. Hrvoje Sertić, PhD Assoc. Prof. Damir Knjaz, PhD Assoc. Prof. Goran Sporiš, PhD Sanja Šalaj, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (4L +6RS+8W+2DP)
6.	Outline of the Course/Module Content	During this course students will have lectures, research seminars, workshops and discussion panels within the theme: - Research methodology of transformation processes in sport; - Researching the impact of doing sports on human health; - Researching the effects of a training program aimed at preventing injuries in athletes; - Researching the adaptive changes under the influence of training; - Researching the effects of methodological procedures in strength and conditioning training; - Researching the effects of exercising on the motor development of children; - Researching the effects of strength and conditioning training in children and young athletes; - Researching the effects of different teaching and learning methods; - Researching the effects of transformation processes in various cycles of conditioning; - Researching the effects of the short-term preparation for major competitions – physical condition "final polish" During the research seminar, students will make drafts of their own researches in the field of transformation processes in sport.
7	The Reading List	1. Milanović D. (1999): Struktura i značajke znanstvenih istraživanja u području sporta, Kineziologija za 21. stoljeće, Zbornik radova, Ur: Milanović, D., Dubrovnik, 87-90. 2. Milanović, D., Šimek, S., Jukić, I. (2008). The effect of transformational processes on motor performance. In: Sadowski, J., Niznikowski, T. (Eds.), Coordination Motor Abilities in Scientific Research, Monography, Josef Pilsudski University of Physical Education in Warsaw, Faculty of Physical Education in Biala Podlaska, 31-37. 3. Åstrand, P.O. (2003). Textbook of Work Physiology: Physiological Bases of Exercise. Human Kinetics.

		4. Cardinale, M., Newton, R., Nosaka, K. (2011). Strength and Conditioning: Biological Principles and Practical Applications. Wiley Blackwell. 5. Šimek Šalaj, S., Milanović, D., Jukić, I. (2007). The effects of proprioceptive training on jumping and agility performance. Kinesiology 39(2): 131-141.
	The Additional Reading List	1. Milanović, D., Barić, R., Jukić, I., Šimek, S., Vuleta, D.1.(2007). Metodologija istraživanja transformacijskih procesa u sportu: modeli, rezultati i primjena. U N. Smajlović (ur.), Zbornik naučnih i stručnih radova 2. međunarodnog simpozija Nove tehnologije u sportu, Sarajevo, 13.-15. april 2007. (str. 23-34). Sarajevo: Fakultet sporta i tjelesnog odgoja. 2. Boyle, M. (2010). Advances in Functional Training. On Target Publications, Santa Cruz, California. 3. Milanović, D., Šalaj, S. i Gregov, C. (2012). Opća kondicijska priprema u funkciji zaštite zdravlja sportaša. Arhiv za higijenu rada i toksikologiju, 63, Suppl. 3, 103-119.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, preparation of thematic assignments and seminars.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

5.2.2. Module Kinesiological Recreation

Nr.	Title of the Course/Module	**Kinesiology and Health Promotion/ Module Kinesiological Recreation**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full Prof. Mirna Andrijašević, PhD Full Prof. Lana Ružić, PhD, dr. med.
3.	Name of the Course/Module Associate Teacher(s)	Asst. Prof. Sanja Ćurković, PhD Danijel Jurakić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (4L +6RS+4W+6DP)
6.	Outline of the Course/Module Content	This course will cover the methodology of cultural studies related to the habits of a population and phenomenon, consequences and effects of different priority contents in everyday life. Also they will analyse activities of different socio-cultural backgrounds in taking positive habits and modeling and evaluation of different methods in order to promote kinesiology programs for the needs of the population. Lectures will cover the methodology of implementing promotional procedures for improving physical activity for different purposes and in different conditions. - Methodology of collecting data in order to determine the state of health and current habits of the population according their age for doing a physical activity. - Evaluation and forms of representation of promotional forms of physical activity among the population. - Methodology of researching cultural and social specificities of groups and their physical engagement. - Methodology of researching needs of different population groups for modeling physical activity promotion programs. - Systematization of samples and modeling programs of promotion for specific groups among population. - Making a promotional plan and physical activity program according to Methodology of Kinesiology. - Methodology of making different promotional models of physical activity and their marketing applicability. - Efficiency analysis on different behavioural change theories in order to improve physical activity. - Analysis of barriers for doing physical activity in different populations. - Analysis of measuring instruments for determining the barriers and the expected benefits from doing physical activity. During research seminars students will according to the scheduled program of lectures choose the topic and prepare and present a seminar work in the form of a review article or a short oral presentation according their own interests and potential dissertation topic.

7	The Reading List	1. Omrčen, D., Andrijašević, M i Štefić, Lidija (2007). Sport, rekreacija i fitnes – analiza odabranih kinezioloških naziva. Društvena istraživanja, 16(4-5), 943-964. 2. Jurakić, D., Andrijašević, M.,Pedišić, Ž.(2008). Physical activity preferences in Croatia. In D. Milanović & F. Prot (Eds.), Proceedings Bookof 5th International Scientific Conference on Kinesiology «Kinesiology Research Trendsand Applications», Zagreb, Croatia, September 10-14, 2008 (pp. 822-825). Zagreb: Facultyof Kinesiology. 3. Sindik, J., Andrijašević, M., Ćurković, S. (2009). Relationof student attitude toward leisure time activities and the preferences toward sport recreational activities. Acta Kinesiologica, 3 (1), 54-58. 4. Andrijašević, M., Ciliga, D., & Jurakić, D. (2009). Is Sport Recreation Important to Univerity Students?. Coll.Antropolgicum, 33(1), 163-168. 5. Jurakić, D., Andrijašević, M., Pedišić, Ž. (2010). Osnove strategije za unapređenje tjelesne aktivnosti i zdravlja zaposlenika srednje dobi s obzirom na obilježja radnog mjesta i sklonosti ka sportsko-rekreacijskim aktivnostima. Sociologija i prostor, 48(1), 113-131.
	The Additional Reading List	1. Jurakić, D., Pedišić, Ž. (2012) Prevalence of Insufficient Physical Activity in Children and Adolescents: Review. Paediatria croatica, 56, 321-326. 2. Jurakić, D., Heimer, S. (2012) Prevalencija nedovoljne tjelesne aktivnosti u Hrvatskoj i u svijetu: pregled istraživanja. Arhiv za higijenu rada i toksikologiju, 63(S3): 3-12. 3. Pedisic, Z., Jurakic D., Rakovac, M., Hodak, D., Dizdar, D. (2011) Reliability of the croatian long version of the international physical activity questionnaire. Kinesiology, 43(2), 185-191.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Students will prepare a review paper and expose it orally in accordance with their own interests and in direction of the doctoral disertation.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

Nr.	Title of the Course/Module	**Kinesiology in Tourism and Leisure/ Module Kinesiological Recreation**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full Prof. Mirna Andrijašević, PhD
3.	Name of the Course/Module Associate Teacher(s)	Asst. Prof. Sanja Ćurković, PhD Danijel Jurakić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (4L +10RS+4W+2DP)
6.	Outline of the Course/Module Content	PhD students will during this course gain specific knowledge related to the modern tourism and leisure phenomenon and planning possibilities and programming kinesiology activity and contents in order to improve tourism service quality, forming disease prevention programs improving health during leisure time in different population's needs. Lectures are based on the analysis of scientific data, defined conditions of the evaluation of material technical prerequisites and possibilities of implementing models of kinesiology program for different purposes. Different degree programs and their possible implementation in different conditions and evaluation of different aspects will be determined methodological: primarily kinesiology, medicine, sociology, psychology, economy. - Modern tourism and leisure time analysis in kinesiology purposes. - Cluster analysis in order to determine the state of Croatian tourism and its resources for kinesiology purposes. - Tourism market trend analysis and role of physical education in modern conditions of tourism demand. - Methodology for determining needs for kinesiology programs in tourism, current projects of social entities (CNTB, MTRC). - Kinesiology program analysis and evaluation at Croatian coast. - Kinesiology program analysis and evaluation in the continental Croatia. - Kinesiology program analysis and evaluation in thermal spa resorts. - Analysis of procedures for the implementation of model programs in kinesiology tourism. - Evaluation of different implemented kinesiology programs for tourism and leisure time purposes. - Analysis and evaluation in other application areas of kinesiology (daily leisure time, weekends…) At research seminars students will according planned program of lectures choose a topic and present one seminar paper in the form

		of review article or short oral presentation according their own interests and potential doctoral dissertation.
7	The Reading List	1. Andrijašević, M. Kineziološka rekreacija (2010) University textbook. University of Zagreb, Faculty of Kinesiology. 2. Jurakić, D., Pedišić, Ž., Andrijašević, M. Physical Activity of CroatianPopulation: Cross-sectionalStudyUsingInternationalPhysicalActivityQuestionnaire. Croatien Medical Journal, 50 (2009). 2: 165-174. 3. Andrijašević, M. Recreational programmes for adult man based on cluster analysis of survey indicators, Kineziologija, 38(2006), 2:193-208. 4. Andrijašević, M. u Bartoluci, M.Čavlek, N. (2007) i sur. Turizam i sport – razvojni aspekti /Tourism and sport aspects of development. Suvremena koncepcija razvoja sportsko-rekreacijske ponude u turizmu. (reprint, razvoj wellnessa u turizmu), poglavlja u dvojezičnoj znanstveno stručnoj knjizi.
	The Additional Reading List	1. Andrijašević, M. (2009). Kineziološki programi u suvremenom lječilišnom turizmu Hrvatske. U G. Ivanišević (ur.), *Knjiga izlaganja sa znanstvenog skupa "Prirodna lječilišta- Hrvatski brand"*, Veli Lošinj, 4.-6. rujna 2009. (str. 38-46). Zagreb : Akademija medicinskih znanosti Hrvatske. 2. Andrijašević, M. & Jurakić, D. (2005) Koncepcija wellnessa u zdravstvenom turizmu. U G. Ivanišević (ur.), Knjiga izlaganja na znanstvenom skupu, Zdravstveni i lječilišni turizam – metode i programi, Veli Lošinj, 2005. (str. 84-89). Zagreb : Akademija medicinskih znanosti Hrvatske. 3. Andrijašević M. Workload, activebreaks, andleisure-time recreationalactivities59.Arh Hig Rada Toksikol 2012;63(Supplement 3):59-65
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	PhD students will prepare a selection of papers from relevant databases and create a review article and will orally expose the topic in accordance with their research dissertation.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

Nr.	Title of the Course/Module	**Managament and Evaluation of Kinesiological Recreation Programmes/ Module Kinesiological Recreation**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full Prof. Mirna Andrijašević, PhD
3.	Name of the Course/Module Associate Teacher(s)	Asst. Prof. Sanja Ćurković, PhD Danijel Jurakić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (4L +6RS+10W+0DP)
6.	Outline of the Course/Module Content	PhD students will during this course gain a specific knowledge related to the methodology of scientific research procedures for management, analysis, implementation and evaluation in kinesiological recreation. Managing with different program models in kinesiological recreation will refer to different population: children, youth, adult working population, seniors and the possibility of implementation and evaluation in different conditions: indoors, outdoor activities. Topics include analysis of needs, forming program model, management of model kinesiology programs in different conditions and for different needs and different types of evaluation: primarily kinesiological recreation, medical, social, psychological and economic. - Specificity of modern living and working conditions, analysis of planning and programming kinesiological recreation possibilities for the purpose of reducing and eliminating risk factors for some typical diseases as a result of hypokinesia. - The methodology of setting and researching interdisciplinary research problem in prevention of various chronic diseases and risk factors for diseases typical for modern living. - Analysis of experimental drafts for evaluation of specific program effects in kinesiological recreation. - Different methodological approaches in solving the problem of evaluation of specific program effects in kinesiological recreation. - Selection of measuring instruments needed for the analysis of effects and their interpretation for the purpose of further upgrading kinesiological recreation. - Subjective assessment methods of needs for kinesiology recreational programs and validation of model programs quality in practice.
7	The Reading List	1. Andrijašević, M., Ciliga, D., & Jurakić, D. (2009). Is Sport Recreation Important to Univerity Students? Coll.Antropolgicum, 33(1), 163-168.

		2. Jurakić, D., Pedišić, Ž., Andrijašević, M. Physical Activity of Croatian Population: Cross-sectionalStudyUsingInternationalPhysicalActivityQuestionnaire. Croatian Medical Journal, 50 (2009). 2: 165-174. 3. Markuš, D., Andrijašević, M., Prskalo, I. (2010). Tjelesna aktivnost maturanata. Odgojne znanosti, 10 (2). 349-367. 4. Andrijašević M. WORKLOAD, ACTIVE BREAKS, AND LEISURE-TIME RECREATIONAL ACTIVITIES 59. 5. ArhHig Rada Toksikol 2012;63(Supplement 3):59-65
	The Additional Reading List	1. Andrijašević, M. (2010). Kinesiology recreation with dance and music. Acta kinesiologica 4. 2. 7-13. 2. Andrijašević, M. i D. Jurakić, ur. Z R. međunarodne znanstveno stručne konferencije. Kineziološki sadržaji i društveni život mladih. Kineziološki fakultet Sveučilišta u Zagrebu, MZOS RH, gradski ured za kulturu, obrazovanje i sport zajednica sportskih udruga i saveza grada Osijeka. (2011). Osijek. 3. Andrijašević, M. (2012). Sport i rekreacija kroz povijest. U Zbornik radova s interdisciplinarnog znanstvenog simpozija "Socijalni, kulturalni i ekonomski uzroci debljine" , Zagreb, 9.-10. ožujka 2012. (str. 58-62). Zagreb : Centar za debljinu Zavoda za endokrinologiju KBC Zagreb.
8.	Instruction Methods	Lectures, research seminars and workshops
9.	Description of the Course/Module Requirements	PhD students will prepare a selection of papers from relevant databases and create a review article and will orally expose the topic in accordance with their research dissertation.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

5.2.3. Module Kinesitherapy

Nr.	Title of the Course/Module	**Diagnostics in Kinesitherapy/ Module Kinesitherapy**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Assoc. Prof. Dubravka Ciliga, PhD
3.	Name of the Course/Module Associate Teacher(s)	Asst. Prof. Stanislav Peharec, PhD Asst. Prof. Iris Zavoreo, PhD Tatjana Trošt Bobić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (2L +6RS+12W+0DP)
6.	Outline of the Course/Module Content	During this course students will gain knowledge related to the clinical diagnostic procedures closely related to planning exercise protocols in kinesitherapy, as well as knowledge in the field of biomechanical testing of initial and transitive state of people of different age and health status. Lectures are formed in a way that methodology of conducting diagnostic procedures is processed, so as the importance of checking the psychometric characteristics of the extracted variables : - Methodology of conducting clinical tests in the field of orthopedic kinesitherapy and validity of extracted variables. - Methodology of conducting motor tests in the field of orthopedic kinesitherapy and validity of extracted variables. - Functional diagnostic in the evaluation of initial and transitive state of people of different age and health status. - Kinematic testing in the evaluation of initial and transitive state of people of different age and health status. - Kinetic testing in the evaluation of initial and transitive state of people of different age and health status. - Electromyography as a diagnostic kinesitherapy tools. Methodology for conducting measurements, signal processing and calculating variables. - Diagnostic procedures for evaluating the functionality of movement before and after the implementation of kinesitherapy procedures in people of different age and health status. - Interpretation of clinical, functional and motor testing results and its importance in planning and programming kinesitherapy procedures. At research seminars students will according planned program of lectures choose a topic and present one seminar paper in the form of review article or short oral presentation according their own interests and potential doctoral dissertation.
7	The Reading List	1. Kosinac, Z. (2006): Kineziterapija. Tretmani poremećaja i bolesti organa i organskih sustava. Sveučilište u Splitu. Udruga za šport irekreaciju djece i mladeži grada Splita. 2. Goodman, C.C. & Snyder, T.E.K. (2012). Differential

		diagnosis for physical therapists: screening for referral. 5th edition. St. Luis: Elsevier Saunders. 3. Ehrman, J., Gordon, P., Visich, P., Keteyian, S. (2013). Clinical Exercise Physiology. Third Edition. IL: Human Kinetics. 4. Lieber, R. (2010). Skeletal muscle structure, function and plasticity. Thephysiological basis of rehabilitation. Third edition. London: Wolters Kluwer Health/Lippincott Williams & Wilkins.
	The Additional Reading List	1. Zavoreo, I., Bašić Kes, V., Zadro-Matovina, L., Lisak, M.,, Corić, L., Cvjetičanin, T., Ciliga, D., Trošt Bobić, T. (2013). Cerebral venous circulatory system evaluation by ultrasonography, Acta Clinica Croatica, 52(2):203-211. 2. Braman, J.P., Zhao, K.D., Lawrence, R.L., Harrison, A.K., Ludewig, P.M. (2013). Shoulder impingement revisited: evolution of diagnostic understanding in orthopedic surgery and physical therapy. Medical & Biological Engineering & Computing, April, 10 (Epub ahead of print). 3. Radaš, J., Trošt Bobić, T. (2011). Posture in top-level Croatian rhythmic gymnasts and non-trainees. *Kinesiology*, 1(43), 64-73.
8.	Instruction Methods	Lectures, research seminars and workshops
9.	Description of the Course/Module Requirements	PhD students will prepare a selection of papers from relevant databases and create a review article and will orally expose the topic in accordance with their research dissertation.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

Nr.	Title of the Course/Module	**Research Methodology in Kinesitherapy/ Module Kinesitherapy**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Asst. Prof. Iris Zavoreo, PhD
3.	Name of the Course/Module Associate Teacher(s)	Assoc. Prof. Dubravka Ciliga, PhD Asst. Prof. Stanislav Peharec, PhD Tatjana Trošt Bobić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (4L+14RS+0W+2DP)
6.	Outline of the Course/Module Content	During this course students will gain specific knowledge related to the methodology of scientific research approaches in kinesitherapy. Classes will be conducted in the form of lectures, research seminars and discussion panels. Topics are organized in a way that various aspects of research methodology in kinesitherapy are included: - Kinesitherapy as interdisciplinary field. Methodology of setting and researching of interdisciplinary research problem in primary and secondary prevention and also rehabilitation and treatment of various medical conditions and diseases. - The foundations of experimental methods in kinesitherapy. True experiments. Quasi – experiments. Experimental designs on the individual. - Methodological approaches to quantitative and qualitative change analysis as a result of implementing kinesitherapy procedures. - The complexity of studying kinesitherapy effects in regard to the specificity of subject's health status and multifactorial mechanisms of the exercise process on individual's health status. - Clinical trials methodology and ethical principles of conducting research with human participants. - Methodology of writing a scientific publications in the field of kinesitherapy. - Methodology of designing a science interdisciplinary project in prevention and rehabilitation of various medical conditions and diseases. At interactive seminars students will according planned program of lectures choose a topic and present one seminar paper in the form of review article or short oral presentation according their own interests and potential doctoral dissertation.
7	The Reading List	1. Marušić, M. (2008). Uvod u znanstveni rad u medicini. Zagreb: Medicinska naklada. 2. Milas, G. (2009). Istraživačke metode u psihologiji i drugim društvenim znanostima. 2. Izdanje. Zagreb: Naklada Slap.

		3. Domholdt, E. (2005). Rehabilitation research. Principles and applications. Third edition. St. Louis, Missouri: Elsevier Saunders. 4. Armitage, P., Berry, G. & Matthews, J.N.S (2002). Statistical methods in medical research. Malden, Massachussets, USA: Blackwell Publishing.
	The Additional Reading List	1. Gordis, L. (2004). Epidemiology. Third edition. Philadelphia: Elsevier Saunders. 2. Harris, M. & Taylor, G. (2008). Medical statistics made easy. 2nd Edition. Banbury, UK: Scion. 3. Gratton, C. & Jones, I. (2004). Research methods for sport studies. London: Routledge Taylor & Francis Group.
8.	Instruction Methods	Lectures, research seminars and discussion panels
9.	Description of the Course/Module Requirements	Students will prepare a selection of papers from this course, related to their research dissertation and create a review paper and orally expose it.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

Nr.	Title of the Course/Module	**Scientifically Founded Planning and Programming in Kinesitherapy/ Module Kinesitherapy**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Assoc. Prof. Dubravka Ciliga, PhD
3.	Name of the Course/Module Associate Teacher(s)	Asst. Prof. Stanislav Peharec, PhD Asst. Prof. Iris Zavoreo, PhD Tatjana Trošt Bobić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (2L +6RS+12W+0DP)
6.	Outline of the Course/Module Content	During this course students will gain specific knowledge related to planning and programming of kinesitherapy procedures in treatment of various diseases. Classes will be conducted in the form of lectures (50%), research seminars (30%) and workshops (20%). Lectures are organized in a way that scientific foundations of planning and programming of kinesitherapy procedures have been elaborated by treating a large number of medical conditions and diseases in: - Orthopedic kinesitherapy - Cardiovascular kinesitherapy - Pulmonary kinesitherapy - Neurological kinesitherapy - Geriatric kinesitherapy - Pediatric kinesitherapy - Rheumatoid kinesitherapy - Endocrinology - other kinesitherapy application areas (psychological kinesitherapy, gynecological and maternity kinesitherapy...) At research seminars students will according planned program of lectures choose a topic and present one seminar paper in the form of review article or short oral presentation according their own interests and potential doctoral dissertation.
7	The Reading List	1. Kosinac, Z. (2006): Kineziterapija. Tretmani poremećaja i bolesti organa i organskih sustava. Sveučilište u Splitu. Udruga za šport i rekreaciju djece i mladeži grada Splita. 2. Ehrman, J., Gordon, P., Visich, P., Keteyian, S. (2013). Clinical Exercise Physiology. Third Edition. IL: Human Kinetics. 3. Lieber, R. (2010). Skeletal muscle structure, function and plasticity. Thephysiological basis of rehabilitation. Third edition. London: Wolters Kluwer Health/Lippincott Williams & Wilkins.
	The Additional Reading List	1. Zavoreo, I., Bašić Kes, V., Lisak, M., Maršić, N., Ciliga, D, Trošt Bobić, T. (2013). Cognitive decline and cerebral vasoreactivity in asymptomatic patients with severe internal

		carotid artery stenosis. Acta Neurologica Belgica, Published online 06 April 2013, ahead of print DOI 10.1007/s13760-013-0196-4. 2. Filipović, V., Ciliga, D. (2010). Postural adaptation of idiopathic adolescent scolioses (IAS). Review. Kinesiology, 42 (1): 16-27.
8.	Instruction Methods	Lectures, research seminars and workshops
9.	Description of the Course/Module Requirements	PhD students will prepare a selection of papers from relevant databases and create a review article and will orally expose the topic in accordance with their interests and research dissertation.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

5.2.4. Module Kinesiological Anthropology

Nr.	Title of the Course/Module	**Biological Mechanisms of Physical Activity Impacts on Chronic Disease Prevention/ Module Kinesiological Anthropology**
1.	Required or elective Course/Module	Izborni predmet
2.	Name of the Course/Module Teacher	Full Prof. Marjeta Mišigoj-Duraković, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Lana Ružić, PhD Asst. Prof. Zdravko Babić, PhD Asst. Prof. Duško Cerovec, PhD Asst. Prof Zrinka Greblo, PhD Maroje Sorić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (6L +10RS+4W+0DP)
6.	Outline of the Course/Module Content	During this course will be studied : - the role of physical activity in primary and secondary chronic metabolic diseases prevention – obesity, hyperlipidemia, atherosclerosis, type 2 diabetes and to them related heart and blood vessels diseases such as hypertension, coronary heart disease, stroke; - effects of regular physical activity on traditional risk factors for development and progression of coronary heart diseases; - effects of physical activity on inflammatory markers and hemostatic risk factors and also on endothelial function. Mechanisms by which physical activity reduces the risk of cardiovascular morbidity; - physical fitness correlation - cardiovascular and muscular fitness and health risk factors for development of chronic metabolic and cardiovascular diseases; - anthropometric procedures in cardiometabolic risk assessment; - attitudes and recommendations regarding the intensity and volume of physical activity in primary and secondary prevention; - cardiovascular complications during physical activity; - the role of physical activity in reducing symptoms of anxiety and depression.
7	The Reading List	1. Mišigoj-Duraković M, Sorić M, Duraković Z. Tjelesna aktivnost u prevenciji, liječenju i rehabilitaciji srčanožilnih bolesti. Arh Hig Rada Toksikol 2012;63(Suppl 3):13-22 http://hrcak.srce.hr/index.php?show=clanak&id_clanak_jezik=135795 2. Mišigoj-Duraković, M. Tjelesno vježbanje i zdravlje (2. izdanje - u pripremi). Ur. Misigoj-Duraković M. Zagreb: Kineziološki fakultet. 3. Mišigoj-Duraković, M. (2008) Tjelesna aktivnost i vježbanje u: Gerijatrija, ur. Duraković Z. C.T.- Poslovne informacije, Zagreb. Str. 515-525. Kenney WL, Wilmore IK, Costill L. Physiology of Sport and Exercise. Human Kinetics, Inc. Champaign, IL, 2012. /odabrana poglavlja/ 4. Kokkinos P. Physical Activity and Cardiovascular Disease Prevention, Jones and Bartlett Publs. LLC, Sudbury, MA 2010.

		5. Garber, CE, Blissmer B,Deschenes M,Franklin, Barry A, Lamonte M J, Lee, I-M, Nieman David C, Swain D P. Quantity and Quality of Exercise for Developing and Maintaining Cardiorespiratory, Musculoskeletal, and Neuromotor Fitness in Apparently Healthy Adults: Guidance for Prescribing Exercise / Position Stand. Med Sci Sport Exer, 2011; 43 (7): 1334-59
	The Additional Reading List	1. AHA Scientific Statement. Exercise and Physical Activity in the Prevention and Treatment of Atherosclerotic Cardiovascular Disease. Circulation 2003; 107: 3109-3116. http://circ.ahajournals.org/content/107/24/3109.full 2. Krznarić Ž, Misigoj-Duraković M., Milutinović S. Način života i zdravlje (2008). U: Interna medicina. Ur. Vrhovac D i sur. Medicinska biblioteka, Naklada Ljevak, Zagreb, str. 9-16. 3. Handbook of Anthropometry. Physical measures of Human Form in health and Disease.Springer, N.York, 2012 Vol 1-4.
8.	Instruction Methods	Lectures, research seminars and workshops
9.	Description of the Course/Module Requirements	Class attendance, creating tasks, seminars, etc.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

Nr.	Title of the Course/Module	**Variability in Physical Activity-Related Biological Properties/ Module Kinesiological Anthropology**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full Prof. Marjeta Mišigoj-Duraković, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Lana Ružić, PhD Full Prof. Branka Matković, PhD Asst. Prof. Davor Šentija, PhD Marija Rakovac, PhD Maroje Sorić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (4L +6RS+6W+4DP)
6.	Outline of the Course/Module Content	During this course students will study: - the nature and development of inter- and intra-individual variability of biological, morphological and functional characteristics associated with physical activity, - changes in biological properties during growth and maturation under the influence of physical activity, - variability and size of the stability/variability of physical activity levels and characteristics associated with physical activity and health during different periods of life, - changes in biological characteristics during the aging process and physical activity effects on functional and health indicators in old age; - applicability of certain morpho-anthropometric indicators in the evaluation of metabolic effects of physical activity on body composition, - nutritional status and reducing cardiometabolic risk. Within workshops, e.g. the laboratory work in kinanthropometry laboratory students will conduct structure measurements and body composition assessment using anthropometric methods, application of bioelelektrical impedance methods and air plethysmography. Within the research seminars students will conduct segments of the research, write and present research work carried out within the segments of research conducted into kinanthropometry and physiology laboratory of the Department of Sports Medicine and Exercise.
7	The Reading List	1. Handbook of Anthropometry. Physical measures of Human Form in health and Disease.Springer, N.York, 2012Vol1-4. http://link.springer.com/book/10.1007/978-1-4419-1788-1 /odabrana poglavlja/ 2. Kenney WL, Wilmore IK, Costill L. Physiology of Sport and Exercise. Human Kinetics, Inc. Champaign, IL, 2012. /odabrana poglavlja/ 3. Mišigoj-Duraković, M. Kinantropologija – biološki aspekti

		tjelesnog vježbanja. Kineziološki fakultet Sveučilišta u Zagrebu, 2008. 4. Malina R.Bouchard C, Bar-Or. Growth, maturation and Physical activity. Human Kinetics, Inc. Champaign, IL, 2007. 5. Heyward VH, Wagner DR. Applied Body Composition Assessment Human Kinetics, Inc. Champaign, IL, 2004. /odabrana poglavlja/
	The Additional Reading List	1. Duraković, Zijad; Mišigoj-Duraković, Marjeta. Anthropology of aging // UNESCO ENCYCLOPAEDIA OF LIFE SUPPORT SYSTEM (EOLLS) 6.20. PHYSICAL (BIOLOGICAL) ANTHROPOLOGY / Rudan, Pavao (ur.). Oxford , UK : Eolss Publishers Co Ltd, 2004 /www. http://www.eolss.net/ebooks/Sample%20Chapters/C03/E6-20A-08-00.pdf http://www.eolss.net/ebooklib/
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, creating tasks, seminars.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

Nr.	Title of the Course/Module	**Physical Activity in the Tertiary Prevention of Chronic Diseases/ Module Kinesiological Anthropology**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Asst. Prof. Zdravko Babić, PhD, MD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Hrvoje Pintarić, PhD, MD Asst. Prof. Petar Gačina, PhD, MD Marko Nikolić, PhD, MD Karmela Altabas, PhD, MD Velimir Altabas, PhD, MD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (4L +6RS+8W+2DP)
6.	Outline of the Course/Module Content	During this course students will learn about limitations, absolute and relative contraindications in doing physical activity, but also about types of physical activities that can be performed in patients with chronic diseases. We will emphasize the importance of physical activity in tertiary prevention, i.e. further deterioration of these diseases. They will also learn about complications that can occur during physical activity in these patients, prevention possibilities and first aid procedures that can be implemented if complications occur. The greatest emphasis will be placed on patients suffering from cardiovascular disease and students will be educated about the measures of basic life support. All previously mentioned aspects of physical activity will be presented for chronic pulmonary, gastroenterology, endocrine, nephrological, immunological and hematological patients by appropriate subspecialist teachers. In addition to the lectures, students will learn about the above mentioned issues through discussions about presentations on specific cases of chronic medical patients. During the workshops students will be practically trained on basic medical diagnostic and therapeutic measures (from pulse and pressure measurement, recognizing first signs of acute complications of chronic diseases till measurement of cardiopulmonary resuscitation).
7	The Reading List	1. Božidar Vrhovac, Branimir Jakšić, Željko Reiner, Boris Vucelić. (2008) Interna medicina (4. izdanje). Zagreb: Naklada Ljevak. 2. Mišigoj-Duraković, M. (1999) Tjelesno vježbanje i zdravlje. Zagreb: Grafos. 3. Pećina M. (2004) Športska medicina. Zagreb: Medicinska naklada. 4. Mišigoj-Duraković M. (2008) Kinantropologija. Biološki aspekti tjelesnog vježbanja. Zagreb: Kineziološki fakultet Sveučilišta u Zagrebu. 5. Čustović F, Bergovec M, Banfić Lj. Kardiovaskularne bolesti. Školska knjiga, Zagreb, 2007.
	The Additional Reading List	1. Dan Longo, Anthony Fauci, Dennis Kasper, Stephen Hauser, J. Jameson, Joseph Loscalzo. (2012) Harrison's Principles of

		Internal Medicine. (18th Edition). New York: McGrawHill. 2. Pellicia A. (2009) Sports Cardiology. Casebook. Springer. 3. Mišigoj-Duraković, M. (2008) Tjelesna aktivnost i vježbanje u: Gerijatrija, ur. Duraković Z.Zagreb: C.T.- Poslovne informacije. Str. 515-525. 4. Sportska kardiologija u praksi.(2010) Zagrebački športski savez. Zagreb
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, creating tasks, seminars, exercises.
10.	Monitoring of Teaching Quality	Anonymous student survey. Continuous work and communication with students.
11.	Appointed ECTS	

A.5.3 COURSES WITHIN ELECTIVE MODULES

RESEARCH FIELDS B (distribution group II)

5.3.1. Module Assesment and Evaluation of Physical Conditioning Capacities

Nr.	Title of the Course/Module	**Assessment and Evaluation of Motor Abilities/ Module Assesment and Evaluation of Physical Conditioning Capacities**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full Prof. Igor Jukić, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Damir Sekulić, PhD Full Prof. Sergej Ostojić, PhD Assoc. Prof. Dragan Mirkov, PhD Assoc. Prof. Kemal Idrizović, PhD Asst. Prof. Nejc Šarabon, PhD Luka Milanović, PhD Sanja Šalaj, PhD Vlatko Vučetić, PhD
4.	Language of the Course/Module	Croatian Language
5.	Number of Lessons	20 (4L +4RS+8W+4DP)
6.	Outline of the Course/Module Content	During this course students will have lectures, research seminars, workshops and discussion panels within the theme: - Physiological determinants, factor structure and classification of motor skills - The selection, implementation and evaluation of measurement methods for assessing the flexibility - The selection, implementation and evaluation of measurement methods for assessing balance - The selection, implementation and evaluation of measurement methods for evaluating motor coordination - The selection, implementation and evaluation of measurement procedures for assessing strength - The selection, implementation and evaluation of measurement methods for estimating power - The selection, implementation and evaluation of measurement methods for estimating speed and agility - The selection, implementation and evaluation of measurement methods for assessing risk factors for injuries - Differences in testing the assessment of motor abilities between different groups of subjects - The results of measurement of motor abilities in different populations During lectures PhD students will be introduced into: - research review of measurement procedures in assessing motor abilities, - measuring characteristics of relevant measuring instruments for implementing research projects in the field of research motor abilities - methods of construction and validation of new measurement instruments for different motor abilities;

		During research seminars PhD students will independently: - construct and validate new measurement instruments for the assessment of motor skills and - - conduct measurements for the assessment of motor skills.
7	The Reading List	1. Cardinale, M., Newton, R., Nosaka, K. (2011). Strength and Conditioning: Biological Principles and Practical Applications. Wiley Blackwell. 2. National Strength and Conditioning Association. (2012). NSCA's Guide to tests and assessments. Champaign, IL: Human Kinetics. 3. Reiman, M., Robert Manske, R. (2009). Functional Testing in Human Performance. Champaign, IL: Human Kinetics.
	The Additional Reading List	1. Åstrand, P.O., Rodahl, K., Dahl, H., Strømme, S.B. (2003). Textbook of work physiology. Physiological bases of exercise (4. izd). Champaign, IL: Human Kinetics. 4. Hewett, T.E., Shultz, S.J., Griffin, L.Y. (2007). Understanding and preventing noncontact acl injuries. Champaign, IL: Human Kinetics. 2. Heyward, V.H. (2010). Advanced fitness assessment and exercise prescription (6. izd.) Champaign, IL: Human Kinetics 3. Jukić, I., Vučetić, V., Aračić, M., Bok, D., Dizdar, D., Sporiš, G., Križanić, A. (2008). Dijagnostika kondicijske pripremljenosti vojnika: osnove dijagnostičkih postupaka za praćenje i provjeravanje te kontrolu razine treniranosti vojnika. Kineziološki fakultet, Zagreb.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, creating tasks and seminars
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

Nr.	Title of the Course/Module	**Assessment and Evaluation of Functional Abilities/ Module Assesment and Evaluation of Physical Conditioning Capacities**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full Prof. Igor Jukić, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Sergej Ostojić, PhD Full Prof. Damir Sekulić, PhD Assoc. Prof. Dragan Mirkov, PhD Assoc. Prof. Kemal Idrizović, PhD Asst. Prof. Nejc Šarabon, PhD Luka Milanović, PhD Sanja Šalaj, PhD Vlatko Vučetić, PhD
4.	Language of the Course/Module	Croatian Language
5.	Number of Lessons	20 (4L +4RS+8W+4DP)
6.	Outline of the Course/Module Content	During this course students will have lectures, research seminars, workshops and discussion panels within the theme: - Parameters for assessment of functional capacity and energy consumption - Submaximal and maximal tests for assessment of aerobic capacity - Field-work tests for assessment of aerobic capacity - Field-work measurement/monitoring of energy consumption (economy assessment/ efficiency of physical activity) - Methods for assessment of anaerobic threshold - Anaerobic capacity evaluation tests - Measurement of blood lactate concentration after physical activity - Measurement of basal metabolic rate and assessment of energy consumption (daily/physical activity) - Differences in functional capacity evaluation tests for between different groups of subjects - Measurement results functional capacity in different populations During the research seminar students will measure aerobic and anaerobic capacity and draw up their own research of development of these capacities.
7	The Reading List	1. National Strength and Conditioning Association. (2000). *Essentials of strength training and conditioning.* Champaign, IL: Human Kinetics.
	The Additional Reading List	1. Haff, G.G. & Dumke, C. (2012). *Laboratory manual for exercise physiology.* Champaign, IL: Human Kinetics. 2. National Strength and Conditioning Association. (2012). *NSCA's Guide to tests and assessments.* Champaign, IL: Human Kinetics.

		3. Heyward, V.H. (2010). *Advanced fitness assessment and exercise prescription, 6th ed.* Champaign, IL: Human Kinetics.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, creating tasks and seminars
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

Nr.	Title of the Course/Module	**Development of Physical Conditioning Abilities/ Module Assesment and Evaluation of Physical Conditioning Capacities**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full Prof. Igor Jukić, PhD Full Prof. Damir Sekulić, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Sergej Ostojić, PhD Assoc. Prof. Kemal Idrizović, PhD Assoc. Prof. Dragan Mirkov, PhD Asst. Prof. Nejc Šarabon, PhD Luka Milanović, PhD Sanja Šalaj, PhD Vlatko Vučetić, PhD
4.	Language of the Course/Module	Croatian Language
5.	Number of Lessons	20 (4L +8RS+4W+4DP)
6.	Outline of the Course/Module Content	During this course students will have lectures, research seminars, workshops and discussion panels within topics: - Human motor development through the life - Research effects of training program on motor development - Evaluation and control of fitness abilities development - Structural and molecular adaptive changes under the influence of fitness training - Adaptive cardiovascular changes under the influence of fitness training - Adaptive nerve changes under the influence of fitness training skills - Adaptive bones and tendons changes under the influence of strength and condition training - Research training program effects for motor ability development - Research training program effects for functional capacity development - Research effects of other training and environmental processes (electrical stimulation, vibration, altitude training, nutrition, supplementation ...) condition ability development During the seminar students will draw up their own research on condition abilities development.
7	The Reading List	1. Cardinale, M., Newton, R., Nosaka, K. (2011). Strength and Conditioning: Biological Principles and Practical Applications. Wiley Blackwell. 2. Malina, R., Bouchard, C., Bar-Or, O. (2004). Growth, Maturation, and Physical Activity (2. izd.). Champaign, IL: Human Kinetics.
	The Additional Reading List	1. David Gallahue, D., Ozmun, J., Goodway, J. (2012). Understanding Motor Development: Infants, Children,

		Adolescents, Adults. McGraw-Hill. 2. Åstrand, P.O., Rodahl, K., Dahl, H., Strømme, S.B. (2003). Textbook of work physiology. Physiological bases of exercise (4. izd). Champaign, IL: Human Kinetics.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, creating tasks and seminars
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

4.3.2. Module Biomechanics and Motor Control in Sport and Exercise

Nr.	Title of the Course/Module	**Human Movement Control – Neurophysiological Aspects/ Module Biomechanics and Motor Control in Sport and Exercise**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Assoc. Prof. Goran Marković, PhD
3.	Name of the Course/Module Associate Teacher(s)	Asst. Prof. Pavle Mikulić, PhD Asst. Prof. Nejc Šarabon, PhD
4.	Language of the Course/Module	Croatian Language
5.	Number of Lessons	20 (4L +2RS+12W+2DP)
6.	Outline of the Course/Module Content	During this study students will study and practically apply the evaluation methodology of neuromuscular function and human movement control and posture from neurophysiological standpoint. This includes measurement of: - postural control and balance, - functional stability of the joints and spine, - kinesthesia, - muscular strength and power and their underlying neurophysiological mechanisms, - muscle activation and intermuscular coordination. Within research seminars students will, based on searched literature from mentioned methodological aspects of neuromuscular function evaluation and human movement control, critically discuss about fundamental problems related to the human movement control and postural control.
7	The Reading List	1. Judaš, M., Kostović, I. (2003). Temelji neuroznanosti. Medicinski fakultet, Zagreb. 2. Enoka, R.M. (2008). Neuromechanics of human movement. Human Kinetics, Champaign, IL. 3. Latash, M.L. (2008). Neurophysiological basis of human movement. Human Kinetics, Champaign, IL.
	The Additional Reading List	1. Latash, M.L. (2013). Fundamentals of motor control. Elsevier, NY.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, creating tasks.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

Nr.	Title of the Course/Module	**Selected Biomechanics and Motor Control Chapters/ Module Biomechanics and Motor Control in Sport and Exercise**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full. Prof. Vladimir Medved, PhD Assoc. Prof. Goran Marković, PhD
3.	Name of the Course/Module Associate Teacher(s)	
4.	Language of the Course/Module	Croatian Language
5.	Number of Lessons	20 (4L+10RS+2W+4DP)
6.	Outline of the Course/Module Content	During this course students will study basic and applied fields and current problems in biomechanics and motor control, with emphasis on critical analysis of literature and writing a review article from selected subfield.
7	The Reading List	1. Enoka, R.M. (2008). Neuromechanics of human movement. Human Kinetics, Champaign, IL. 2. Latash, M.L. (2008). Neurophysiological basis of human movement. Human Kinetics, Champaign, IL. 3. Schmidt, R. A., Lee, T. (2005). Motor Control and Learning. 4th Edition. Human Kinetics Champaign, IL.
	The Additional Reading List	1. Latash, M.L. (2013). Fundamentals of motor control. Elsevier, NY. 2. McMahon, T.A. (1984). Muscles, reflexes, and locomotion. Princeton, New Yersey.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Attendance and activity in class, creating tasks.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

Nr.	Title of the Course/Module	**Biomechanics of Locomotion/ Module Biomechanics and Motor Control in Sport and Exercise**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full. Prof. Vladimir Medved, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full. Prof. Mario Cifrek, PhD Asst. Prof. Željko Hraski, PhD
4.	Language of the Course/Module	Croatian Language
5.	Number of Lessons	20 (2L +4RS+12W+2DP)
6.	Outline of the Course/Module Content	During this course students will be studying the following contents: - Human body anthropomorphic modeling in locomotion biomechanics and inverse dynamics approach. - Automated 3D kinematic measurement: optoelectronic system with physical marks. - Direct 3D inertial and magnetic sensors based system. - Aspects of processing kinematic signals and data. - Force and pedobarographic measurement. - Telemetric multichannel surface electromyography. - Modeling of skeletal muscle and neuromuscular systems: systems approach and simulation possibilities. - Examples of biomechanical analysis and diagnosis: biomechanical diagnostics of sports locomotion, electromyographic evaluation of muscle fatigue, clinical gait analysis. - Methodology applications possibilities of neural network and in-depth processing analysis and measurement results analysis.
7	The Reading List	1. Enoka, R.M. (2008). Neuromechanics of human movement. Human Kinetics, Champaign, IL. 2. Medved, V. (2001). Measurement of human locomotion. CRC Press, Boca Raton, Fl. 3. Medved, V., Cifrek, M. (2011). Kinesiological electromyography. In: Biomechanics in applications, Klika, V. (Ed.), InTech, 349-366. http://www.intechopen.com/articles/show/title/kinesiological-electromyography 4. Winters, J.M., Crago, P.E., (Eds.) (2000). Biomechanics and neural control of posture and movement. Springer-Verlag, New York.
	The Additional Reading List	1. McMahon, T.A. (1984). Muscles, reflexes, and locomotion. Princeton, New Yersey. 2. Merletti, R., Parker, P.A. (Eds.) (2004). Electromyography. Physiology, engineering, and noninvasive applications, IEEE Press, John Wiley & Sons, Inc., Hoboken, New Yersey.

		3. Rose, J., Gamble, J.G. (Eds.) (2006) Human walking. Williams & Wilkins, Inc., Baltomore.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, creating tasks.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

5.3.3. Module Biomedicine of Sport and Exercise

Nr.	Title of the Course/Module	**Limits of Human Performance / Module Biomedicine of Sport and Exercise**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full Prof. Lana Ružić, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Goran Leko, PhD Full Prof. Branka Matković, PhD Asst. Prof. Pavle Mikulić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (4L +10RS+4W+2DP)
6.	Outline of the Course/Module Content	During this course students will study: - where are the limits of human ability and the boundaries of human physiological adaptation during maximum exertion in extreme environmental conditions, - cardiovascular and neuromuscular constraints on progress of the results in aerobic disciplines, - factors limiting power and strength and exogenous and endogenous factors that enable unusual manifestations of strength in extreme situations, - what is so far known about genetic predisposition for better adaptation to certain types of activities. Knowledge of sport physiology will be practically used at research seminars for development of ideas on possible methods or means that could, in a certain way, possibly contribute to improvement of current global top results or for example, surviving in extreme conditions (in periods of starvation, thirst, high altitude, extreme stress or fear, or in extremely hot or cold conditions).
7	The Reading List	1. Keneny W, Wilmore H, Costill L. Physiology of Sport and exercise, odabrana pogalavlja (poglavlje 11, 12, 13); Human Kinetics, 2008 2. Beneke R, Böning D. The limits of human performance. Essays Biochem. 2008;44:11-25. Review.
	The Additional Reading List	1. Kamler K. Surviving the Extremes: What Happens to the Body and Mind at the Limits of Human Endurance, Penguin group, 2004, New York, USA 2. Brenkus J.T he Perfection Point: Sport Science Predicts the Fastest Man, the Highest Jump, and the Limits of Athletic Performance. Harper Collisns Publishers, New York, 2010.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, active participation at seminars after completion of class preparation, creating tasks within working group at the workshop.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

Nr.	Title of the Course/Module	**Objective Indicators of Exercise Induced Muscle Damage, Fatigue and Overtraining/ Module Biomedicine of Sport and Exercise**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full Prof. Branka Matković, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Lana Ružić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (4L +6RS+8W+2DP)
6.	Outline of the Course/Module Content	Topics that PhD students will be studying during this course are: - Physiology of skeletal muscle damage caused by physical activity; - Biochemical markers of skeletal muscle damage, white blood cell and skeletal muscle damage; Plyometric activity and inflammatory response. - Delayed Onset Muscle soreness – DOMS; definition, causes, characteristics, mechanism of muscle pain. - Correlation between DOMS and muscle hypertrophy. - The impact of DOMS on athletic performance; DOMS possible treatments. - Oxidative stress, structure and function of free radicals, main sources of free radicals, reactive oxygen species- ROS, consequences of ROS, reactive nitrogen species- RNS, problems related to analysis of free radicals, physical activity and oxidative stress, disorders related to oxidative stress; biomarkers of oxidative stress, endogenous and exogenous antioxidants and their effects; enzymatic defense system; nonenzymatic defense system. - Fatigue, Recovery; - Overtraining syndrome; Epidemiology and etiology of overtraining syndrome; Sympathetic and parasympathetic overtraining; Diagnosis and differential diagnosis of overtraining; Treatment.
7	The Reading List	1. Farrell, P. A., Joyner, M. J., & Caiozzo, V. J. (2012). ACSM's Advanced Exercise Physiology. (poglavlja 5, 8, 22, 23) 2. Kenney, W. L., Wilmore, J. H., & Costill, D. L. (2012). Physiology of sport and exercise. Human Kinetics. (poglavlja 2, 5, 10, 14) 3. MacLaren, D., & Morton, J. (2011). Biochemistry for Sport and Exercise Metabolism. Wiley Hardcover (poglavlja 8, 9, 10) 4. Tiidus, P., Tupling, A. R., & Houston, M. (2012) Biochemistry Primer for Exercise Science 4E. Human Kinetics. (poglavlje 5)

		5. Chung, N. N. (2012). Review: Oxidative Stress and Antioxidants Relationship with physical Activity and Training. JENB (Journal of Exercise Nutrition & Biochemistry), 16(4), 161-166.
	The Additional Reading List	1. Tiidus, P., Tupling, A. R., & Houston, M. (2012) Biochemistry Primer for Exercise Science 4E. Human Kinetics. (poglavlje 5) 2. Chung, N. N. (2012). Review: Oxidative Stress and Antioxidants Relationship with physical Activity and Training. *JENB (Journal of Exercise Nutrition & Biochemistry)*, *16*(4), 161-166. 3. Powers, S. K., & Jackson, M. J. (2008). Exercise-induced oxidative stress: cellular mechanisms and impact on muscle force production. Physiological reviews, *88*(4), 1243-1276
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, active participation at seminars after completion of class preparation, creating tasks within working group at the workshop.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

Nr.	Title of the Course/Module	**Modelling Human Power Capacities/ Module Biomedicine of Sport and Exercise**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Asst. Prof. Davor Šentija, PhD
3.	Name of the Course/Module Associate Teacher(s)	Marija Rakovac, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (2L +4RS+10W+4DP)
6.	Outline of the Course/Module Content	During this course students will study: - models of human energy capacities that determine the ability to perform physical activity. - dynamic changes of shares in energy resources, depending on work duration and intensity, as well as the most common misconceptions about energy capacity modelling. - parameters that define energy capacities and their measurement - kinetics of oxygen consumption and aerobic and anaerobic metabolic thresholds - and the possibility of interpolation and extrapolation of human energy capacity values to described models. Knowledge from field of physical activity physiology will be practically used at research seminars in order to develop possible energy capacity models and parameters that define them, so as the methods and means for their measurement.
7	The Reading List	1. Jones AM, Poole DC. Oxygen uptake kinetics. Routledge, 2006. 2. Wasserman K. et al. Principles of exercise testing and interpretation. Lippincott, Williams and Wilkins. selected chapters. Wolters Kluwer Health/Lippincott Williams & Wilkins, 2012
	The Additional Reading List	1. McArdle WD, Katch FI, Katch VL. Exercise Physiology, . selected chapters (section 1-3) LWW, 2009
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, active participation at seminars after completion of class preparation, creating tasks within working group at the workshop.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

5.3.4. Module Social and Humanistic Aspects of Sport and Exercise

Nr.	Title of the Course/Module	**Motivational Processes in Exercise and Sport/ Module Social and Humanistic Aspects of Sport and Exercise**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Assoc. Prof. Benjamin Perasović, PhD Assoc. Prof. Renata Barić, PhD
3.	Name of the Course/Module Associate Teacher(s)	Asst. Prof Zrinka Greblo, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (4L +6RS+8W+2DP)
6.	Outline of the Course/Module Content	Within this course students will be introduced into: - contemporary theoretical models of motivation in the field of sports and physical exercise and development of different motivational theories and models of measuring motivational constructs through several subtheories that explain the individual's behaviour in sports and exercise. - results of modern empirical studies of several leading motivation theories in sport, such as: self-determination theory, competence motivation theory in sport, expected value theory and model of dedication to sport. Through various forms of work students will use their knowledge to design research aimed at better understanding of factors in order to contribute forming optimal motivation structures in athletes and exercisers such as: fulfilling the basic needs, competence motivation, self-efficacy, intrinsic and extrinsic motivation, achievement goals in sport, barriers to physical activity. In addition, participants of this course will gain knowledge about factors that have influence on formation of desirable motivational profiles in athletes and exercisers viewed from social development perspective such as: social impact of coaches, parents, peers, motivational climate and personality.
7	The Reading List	1. Hagger, S.M. i Chatzisarantis, N.L.D. (2007): Intrinsic motivation and Self-Determination in Exercise and Sport. Champaing, IL: Human Kinetics. 2. Horn, T.S. (2008). Advances in sport psychology. Champaing, IL: Human Kinetics. (poglavlja 7 i 8)
	The Additional Reading List	1. Horga, S. (2009). Psihologija sporta. Zagreb: Kineziološki fakultet. 2. Reeve, J. (2010). Razumijevanje motivacije i emocija. Jastrebarsko: Naklada Slap. 3. *Berger, B.G.*, Pargman, D. i *Weinberg*, R.S. (2002) *Foundations of Exercise Psychology*. Morgantown, WV: FIT. (poglavlja 12-16) 4. Tušak, M. (1999). Motivacija in šport– Ključ do uspeha. Ljubljana: Filozofska fa kulteta Un iverze v Ljubljani,

		Oddelek za psihologijo.Znanstveni članci iz područja motivacije u sportu
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, preparation of hypothetical research designs and presentation of seminar papers, participation in workshops.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

Nr.	Title of the Course/Module	**Psychological Aspects of Physical Activity/ Module Social and Humanistic Aspects of Sport and Exercise**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Asst. Prof Zrinka Greblo, PhD Assoc. Prof. Renata Barić, PhD
3.	Name of the Course/Module Associate Teacher(s)	
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (4L +8RS+4W+4DP)
6.	Outline of the Course/Module Content	Within this course students will be introduced into a larger number of contemporary theoretical and empirical knowledge about the relationship between physical activity and mental health. Students will: - acquire knowledge about the role of physical activity in improving quality of life in members of different human populations; - review studies that refer to relationship between physical activity and self-esteem in children and adolescents; - acquire knowledge about the role of physical activity in reducing symptoms of stress in employees and relationship between physical activity and health aspects of quality of life in chronic patients and elderly people; - be introduced into characteristics of correlation between physical activity and mental health as well as biological, psychological and social mechanisms presumed to be basis of this relations; - consider the characteristics of physical activity that may impair mental health as well as specific types of psychological disorders (e.g., eating disorders, exercise addiction) within which special attention should be paid to preventive and curative contribution of specific programs of physical activity.
7	The Reading List	1. *Berger, B.G.*, Pargman, D., & *Weinberg,* R.S. (2002) *Foundations of Exercise Psychology*. Morgantown, WV: Fitness Information Technology. 2. Clow, A. i Edmunds, S. (2014). *Physical activity and mental health.* Champaing, IL: Human Kinetics.
	The Additional Reading List	1. Jurakić, D., Pedišić, Ž., Greblo, Z. (2010). Physical activity in different domains and health-related quality of life: a population-based study. *Quality of life research. 19*(9), 1303-1309. 2. Rakovac, M., Pedisic, Z., Pranic, S., Greblo, Z., Hodak, D. (2013) Sociodemographic and Lifestyle Correlates of Health-Related Quality of Life in Croatian University Students. *Applied Research* in *Quality of Life* 8, 493-509

		3. Greblo, Z., Pedišić, Ž., Jurakić, D. (2008). Relationship between exercise frequency and self-perceived mental health. In Milanović, D., Prot, F. (Eds.), Proceedings Book of the 5th International Scientific Conference on Kinesiology "Kinesiology Research Trends and Applications", Zagreb, September 10-14th, 2008 (pp. 814-817). Zagreb: Faculty of Kinesiology, University of Zagreb. 4. Bungić, M., Barić, R.(2009).Tjelesno vježbanje i neki aspekti psihološkog zdravlja. *Hrvatski športskomedicinski vjesnik*. *24*(2), 65-75.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, preparation and presentation of seminar paper, attendance at workshops
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

Nr.	Title of the Course/Module	**Sociology of Small Groups / Module Social and Humanistic Aspects of Sport and Exercise**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Assoc. Prof. Benjamin Perasović, PhD
3.	Name of the Course/Module Associate Teacher(s)	
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	20 (2L +4RS+10W+4DP)
6.	Outline of the Course/Module Content	Within this course students will be introduced into major sociological approaches to small group research, including researches and knowledge about significance of small groups for human social life, from informal activities of daily living to connection to a wide range of social institutions. Students will gain knowledge about the most important generic interaction processes that are in small groups reflected in different ways, thus enabling multi-layered interpretation of key social issues. Small groups represent the basis of modern sport, not only in team sports where it is visible at the competition level, but also in individual sports where an athlete is never alone, but behind stands one or more small groups. Special attention will be paid to those components of small group that suggest the importance of these micro organizations as explanatory tools and which were pointed out by Harington and Fine (2001). So, we will focus on a small group perceived as an agent of social control in human socialization process towards wider social standards; small group as agent for questioning existing social standards and expectations; as nucleus for possible social changes; the group as agent of cultural diffusion, especially in the field of collective development and processing the meaning of cultural symbols and objects, and finally the group as a social structure within which some of the key sociological topics are reflected, such as power, status, forms of interaction, connections and disconnections. At research seminars students will be able to use acquired knowledge and create their own scientific research interests on the basis of individualized literature.
7	The Reading List	1. Fine, G.A. (2012). Tiny Publics. Idiocultures and the Power of the Local. Russell Sage Foundation. 2. Harington, B., Fine, G A. (2000). Opening the "Black Box"; Small Groups and Twenty-First Century Sociology. Social Psychology Quarterly, Vol.63, No. 4, 312-323 3. Lindesmith, A. R., Strauss, A. L., Denzin, N. K. (1999). Social Psychology. Sage Publications (odabrana poglavlja).
	The Additional Reading	Additional literature will be individualized in accordance with

	List	student's research interests.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, preparation and presentation of seminar paper
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	5

A.5.4. Elective Courses

Nr.	Title of the Course/Module	**Economic Evaluation of Sport and Recreation Programmes in Tourism**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full Prof. Darko Prebežac, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Mato Bartoluci, PhD Sanela Škorić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	10 (2L +2RS+4W+2DP)
6.	Outline of the Course/Module Content	Within this course students will study: - the issue of the relationship between tourism and sport through analysis of factors related to development of tourism and sports, functions that generate tourism and sports, and economic impact of sport and recreational programs implemented in the tourism industry; - in which way are sport and recreational programs valorized in tourism through methods such as cost-benefit analysis as well as different methods for assessment of entrepreneurial projects (payback period method, profitability methods, net present value method, internal rate of return method, etc.); - criterion for sustainable development of sport and recreational programs in tourism. In accordance with the above mentioned, students will create access articles on any above mentioned topic including practical examples depending on their personal interests.
7	The Reading List	1. Bartoluci, M. (2013.). *Upravljanje razvojem turizma i poduzetništva*. Zagreb: Školska knjiga. 2. Higham, J., Hinch, T. (2009). *Sport and Tourism: Globalization, Mobility and Identity*. Elsevier Ltd. 3. Čavlek, N., Bartoluci, M., Prebežac, D., Kesar, O. i sur. (2011). *Turizam: Ekonomske osnove i organizacijski sustav*. Zagreb: Školska knjiga 4. Bartoluci, M., Čavlek, N. i suradnici (2007). *Turizam i sport – razvojni aspekti / Tourism and Sport – Aspects of Development*. Zagreb: Školska knjiga
	The Additional Reading List	1. Preuss, H. (2013). The Contribution of the FIFA World Cup and the Olympic Games to Green Economy. *Sustainability, Special Issue "Sustainable Mega-Events"* , 5 (8), S. 3581-3600. http://www.mdpi.com/2071-1050/5/8/3581 2. Ritchie, B.W., Adair, D. (ur.) (2004). *Sport Tourism: Interrelationships, Impacts and Issues*. Channel View Publications 3. Preuss, H. (2004). *The Economics of Staging the Olympics. A Comparison of the Games 1972-2008*. Cheltenham Glos:

		Edward Elgar.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	At the exam, that will be conducted orally, students will make access articles on the topic agreed with subject teachers.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	2.5

Nr.	Title of the Course/Module	**Complementary Programmes in Kinesiological Recreation**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full Prof. Mirna Andrijašević, PhD
3.	Name of the Course/Module Associate Teacher(s)	Danijel Jurakić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	10 (2L +2RS+6W+0DP)
6.	Outline of the Course/Module Content	Within this course PhD students will be introduced into specific knowledge related to the research procedures of various programs and activities that in regard to kinesiological have secondary character and make addition to kinesiology program. This course will include research methodology of modern centres, so as the types and purpose of complementary programs that are related to complex types of wellness, spa and other types of offer for participant's health improvement. They will also be introduced into research analysis of complementary programs activity, so as modeling and evaluation of various procedures within the kinesiology program for participants. Classes will be conducted in the form of lectures. Lectures will include implementation methodology of promotional methods procedures in order to improve physical activity for different purposes and in different conditions. - Data collection methodology in order to determine the structure of complementary programs. - Evaluation and forms of representation of complementary programs in various conditions. - Methodology of researching natural sources for development of complementary programs. - Methodology of researching needs of different types of human populations for complementary programs modeling. - Samples systematization and modeling of complementary programs. At research seminars students will, in accordance with the scheduled program, choose the topic and prepare and present seminar paper in the form of review article or short oral presentation according to their own interests and issues.
7	The Reading List	1. Jurakić, D., Andrijašević, M., Pedišić, Ž.(2008). Physical activity preferences in Croatia. In D. Milanović & F. Prot (Eds.), *Proceedings Book of 5th International Scientific Conference on Kinesiology «Kinesiology Research Trends and Applications»*, Zagreb, Croatia, September 10-14, 2008 (pp. 822-825). Zagreb: Faculty of Kinesiology. 2. Sindik, J., Andrijašević, M., Ćurković, S. (2009). Relation of

		student attitude toward leisure time activities and their preferences toward sport recreation activities. *Acta Kinesiologica*, 3 (1), 54-58. 3. Andrijašević, M., Ciliga, D., & Jurakić, D. (2009). Is Sport Recreation Important to Univerity Students?. *Coll.Antropolgicum, 33*(1), 163-168. 4. Andrijašević, M.(2010). Kinesiology recreation with dance and music. Acta kinesiologica, 4 (2), 7 -13. 5. Andrijašević, M. (2005). A Contemporary concept of the development of physical recreation in tourism. In D. Milanović & Franjo Prot (Eds.), Proceedings Book of 4th International Scientific Conference on Kinesiology "Science and Profession - Challenge for the Future", Opatija, September 7-11, 2005. (pp. 194-198). Zagreb: Faculty of Kinesiology.
	The Additional Reading List	1. Andrijašević, M., Blažević, S., Bonacin, D. i Bilić, Ž. (2006). Wellness – novi trend u turizmu. Homo Sporticus, 9(2), 58-64. 2. Andrijašević, M. (2011). Izbor sportsko-rekreacijskih aktivnosti u prevenciji pretilosti. U S. Heimer (ur.), Tjelesna aktivnost i zdravlje :Uloga tjelesne aktivnosti u prevenciji (str. 65-67). Zagreb: Kineziološki fakultet Sveučilište u Zagrebu. 3. Andrijašević, M. (2007). Programi kineziološke rekreacije i stres. U Knjiga izlaganja na znanstvenom skupu «Lječilišta, zdravlje, stres», Veli Lošinj, 2007. (str. 129-134). Zagreb: Akademija medicinskih znanosti Hrvatske.
8.	Instruction Methods	Lectures, research seminars and workshops
9.	Description of the Course/Module Requirements	PhD students will, with the help of course teacher, prepare a selection of papers from relevant databases and create a review article or will orally expose the topic in accordance with their research dissertation.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	2.5

Nr.	Title of the Course/Module	**Choreography in Conventional Sports**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full. Prof. Gordana Furjan-Mandić, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Kamenka Živčić Marković, PhD Asst. Prof. Jadranka Vlašić, PhD
4.	Language of the Course/Module	Croatian Language
5.	Number of Lessons	10 (2L +2RS+6W+0DP)
6.	Outline of the Course/Module Content	Within this course students will acquire knowledge necessary for planning and scientific evaluation of choreography in conventional sports and movements. Students will be studying: - the importance of choreography and the differences in regard to specificity of conventional sports and disciplines; - creating choreography in conventional sports in regard to technical difficulty and impression; - choice of music in relation to sport or discipline; - unity of music and movement in choreography; Rational distribution of technical and artistic elements in choreography; - art of dance in conventional sports; - concept of aesthetics in evaluation of choreography in sport; - scientific methods of choreography values evaluation.
7	The Reading List	1. Federation Internationale de Gymnastique (FIG). Code of points (all). Technical Committee. 2. Furjan – Mandić, G. (2000). Klasifikacija elemenata tehnike u ritmičkoj gimnastici. Disertacija, Zagreb: Kineziološki fakultet. 3. Giannitsopoulou, E., Zisi, V. i Kioumourtzoglou, E. (2003). Elite performance in rhythmic gymnastics: Do the change sin code of points affect the role of abilities? Journal of Human Movement Studies, 45(4), 327-346. 4. Jastrembskaia, N., Titov, Y. (1999). Rhythmic gymnastics. Champaign, II: Human Kinetics. 5. Maletić, A. (1983). *Pokret i ples*. Zagreb: Kulturno prosvjetni sabor Hrvatske.
	The Additional Reading List	1. Claessens, A.L., Veer, F.M., Stijnen, V., Lefevre, J., Maes, H., Steens, G., Beunen, G. (1991). Anthropometric characteristics of outstanding male and female gymnasts. Journal of Sports Sciences, 9, 53-74. 2. Douda, H., Tokmakidis, S.P., Toubekis, A.G., Avloniti, A.A. (2008). Physiological and anthropometric determinants of rhythmic gymnastics performance. International Journal of Sports Physiology and Performance, 3(1): 41-45. 3. Ste-Marie, D.M. (2000). Expertise in womans gymnastics judging; an observational approach. *Perceptual and Motor Skills*, 90(2), 543-546.

8.	Instruction Methods	Lectures, research seminars and workshops
9.	Description of the Course/Module Requirements	Class attendance, creating tasks and seminar papers.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	2.5

Nr.	Title of the Course/Module	**Medicinal Products and Doping**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full Prof. Dinko Vitezić, PhD, MD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Jasenka Mršić-Pelčić, PhD, MD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	10 (2L +4RS+0W+4DP)
6.	Outline of the Course/Module Content	During this course students will gain knowledge about: - medicinal products commonly used/abused for doping purposes - principles of research and development of new medicinal products (medicinal products and doping – research of new medicinal products) - fundamental concepts and principles of pharmacodynamics and pharmacokinetics of medicinal products: pharmacokinetics related to absorption, distribution, biotransformation and excretion of medicinal products, correlation dose-effect of medicinal products, therapeutic index and margin of safety, affinity, potency and efficacy - principles of intercellular and intracellular signaling associated with the action of medicinal products - correlation between mode of application, pharmacokinetics and pharmacodynamics of medicinal products and their adverse effects - principles of medicinal products interaction during concurrent change of two or more medicinal products (pharmacodynamics and pharmacokinetics 1 and 2) - the role of World Anti-Doping Agency (WADA) and Croatian Anti-Doping Agency (HADA) in the fight against uncontrolled use of medicinal products for doping purposes (doping, World Anti-Doping Agency (WADA) and national procedures, prohibited substances). During lectures, research seminars and discussion panels students will acquire basic knowledge about specific groups of medicinal products that are used for doping purposes (medicinal products and doping, blood doping and other substances, vitamins and minerals).
7	The Reading List	1. Francetić I, Vitezić D, ur. Klinička farmakologija, drugo, promijenjeno i dopunjeno izdanje, Medicinska naklada 2014. 2. Katzung BG, Masters SB, Trevor AJ. Temeljna i klinička farmakologija, 11. izdanje (hrvatski prijevod), Medicinska naklada, Zagreb, 2011. 3. The World Antidoping Code - The 2014 Prohibited List,

		International Standard. The World Antidoping Agency, 2014.
	The Additional Reading List	1. O'Leary J. Drugs and Doping in Sports-Socio Legal Perspectives, Routledge-Cavendish, 2001. 2. Waddington I, Smith A. An Introduction to Drugs in Sport: Addicted to Winning? Taylor&Frances, 2009.
8.	Instruction Methods	Lectures, research seminars and discussion panels
9.	Description of the Course/Module Requirements	Prisustvovanje nastavi, prezentacija istraživačkih seminara.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	2.5

Nr.	Title of the Course/Module	**Muscle Fatigue**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Asst. Prof. Katja Tomažin, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Vesna Babić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	10 (2L +2RS+6W+0DP)
6.	Outline of the Course/Module Content	This course topics include the conceptual framework of muscle fatigue: - definition of muscle fatigue, - methods for measuring muscle fatigue, - cellular mechanisms of fatigue - and other factors that influence the fatigue: - muscle fatigue in children, - muscle fatigue in elderly subjects, - fatigue differences between man and woman and impact of training status. At workshops, e.g. laboratory exercises students will study about methods for measuring central and peripheral fatigue.
7	The Reading List	1. Williams C., Ratel. S. (2009). Human muscle fatigue. Routledge, Taylor and Francis Group: London, New York, 366. 2. Gandevia SC. Spinal and supraspinal factors in human muscle fatigue. Physiol Rev. 2001; 81(4):1725-89. 3. Enoka RM, Duchateau J. Muscle fatigue: what, why and how it influences muscle function. J Physiol. 2008; 586(1):11-23. 4. Abbiss CR, Laursen PB. Models to explain fatigue during prolonged endurance cycling. Sports Med. 2005; 35(10):865-98. 5. Girard O, Millet GP. Neuromuscular fatigue in racquet sports. Neurol Clin. 2008; 26(1):181-94.
	The Additional Reading List	1. Ament W, Verkerke GJ. Exercise and fatigue. Sports Med. 2009; 39(5):389-422. 2. Ratel S, Duché P, Williams CA. Muscle fatigue during high-intensity exercise in children. Sports Med. 2006; 36(12):1031-65. 3. Vøllestad NK. Measurement of human muscle fatigue. J Neurosci Methods. 1997; 74(2):219-27.
8.	Instruction Methods	Lectures, research seminars and workshops
9.	Description of the Course/Module Requirements	Class attendance, creating tasks.
10.	Monitoring of Teaching	Anonymous student survey.

	Quality	
11.	Appointed ECTS	2.5

Nr.	Title of the Course/Module	**Addictions – Early Interventions**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Assoc. Prof. Zoran Zoričić, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full. Prof. Slavko Sakoman, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	10 (2L +4RS+0W+4DP)
6.	Outline of the Course/Module Content	During this course students will study: - measures of modern approach to addictions, - measures of prevention and early detection of addiction to alcohol and drugs, analgesics and gambling, - methods of treatment and rehabilitation of addicts to alcohol, drugs, analgesics and gambling, - skills of early detection of young people predisposed to development of addictions, - early brief intervention and treatment of high-risk individuals and groups, - communicating with the system of treatment. Special attention is focused on early intervention with athletes in the educational process.
7	The Reading List	1. Sakoman Slavko. Liječenje opijatskih ovisnika – priručnik. Rerefentni centar MZ za ovisnosti o drogama, Zagreb, 2013. 2. Torre Robert, Zoričić Zoran. Kockanje - od zabave do ovisnosti. HSKLA, Zagreb, 2013. 3. Thaller Vlatko. Alkohologija - suvremene osnove za studente i praktičare. Naklada CSCAA, Zagreb, 2002.
	The Additional Reading List	
8.	Instruction Methods	Lectures, research seminars and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, seminars.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	2.5

Nr.	Title of the Course/Module	**Athlete Diet: Dietary Methods and Nutrition Quality Assessment**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Asst. Prof. Zvonimir Šatalić, PhD
3.	Name of the Course/Module Associate Teacher(s)	Maroje Sorić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	10 (2L +4RS+2W+2DP)
6.	Outline of the Course/Module Content	With the aim of presenting reasons for measuring nutrition, resp. using dietetic methods, introductory lecture topics are the basic principles of proper nutrition of the general population and the basic principles and characteristics of nutrition for athletes. The following thematic units are related to: - characteristics, advantages and disadvantages of dietetic methods, - selection of appropriate dietetic method that is in accordance with the needed data. Proper application of the most commonly used dietetic method among athletes will be discussed. During the seminars and exercises students will: 1. recall under guidance a 24 hour food and drink consumption, 2. estimate personal calcium intake using previously validated questionnaire of food and beverages consumption frequency (Nutr Res 27:542) and 3. estimate personal nutrient intake based on the food diary with weighing by using food chemical composition table. Through discussion about results of food diary with weighing, students will be introduced into parameters for assessing diet quality in general population and athletes (energy input, macronutrients and micronutrients).
7	The Reading List	Materials prepared for the course.
	The Additional Reading List	1. R. D. Lee, D. C. Nieman (2010) Nutritional Assessment, 5th ed., McGraw-Hill. 2. F. Magkos, M. Yannakoulia (2003) Methodology of dietary assessment in athletes: concepts and pitfalls. Curr Opin Clin Nutr Metab Care 6: 539-549. 3. N. A. Jeacocke, L. M. Burke (2010) Methods to standardize dietary intake before performance testing. Int J Sport Nutr Exerc Metab 20: 87-103.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, creating seminar tasks (calculation of the questionnaire for the assessment of calcium intake, implementation and calculation of food diary with weighing),

		submission of seminar paper, i.e. essay on self-selected research from recent scientific periodicals in the field of sports nutrition in which the student will critically comment the selection and results of used dietetic methods.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	2.5

Nr.	Title of the Course/Module	**Identifying Basic Motion Strategies in Different Sports**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Asst. Prof. Aleš Dolenec, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Vesna Babić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	10 (2L +6RS+0W+2DP)
6.	Outline of the Course/Module Content	During this course students will study: - basic movement strategy in walking, running, throwing, jumping, - identification of basic movement strategies in different sports by EMG, kinematic and kinetic parameters. - During the seminar, students will measure: - EMG and ground reaction force while walking, running and jumping; - EMG and acceleration of throws. Research seminar topics will be: - identification of basic movement strategies by EMG, - identification of basic movement strategies by tensiometric platforms, - identification of basic movement strategies by OptoJump system.
7	The Reading List	1. Enoka, R.M. (2001) Neuromechanics of Human Movement. Human Kinetics, Champaign. 2. Watkins, J. (2010) Structure and Function of the Musculoskeletal System, Human Kinetics, Champaign. 3. Medved, V. (2001) Measurement of Human Locomotion, CRC Press, Boca Raton. 4. Kumar, S. (1999) Biomechanics in Ergonomics. Taylor and Francis, London.
	The Additional Reading List	1. Winter, D.A. (2009) Biomechanics and Motor Control of Human Movement, Wiley, Hoboken. 2. Dolenec A. (1997) Analiza delovanja skočnega sklepa pri različnih tehnikah izvedbe vertikalnih skokov, magisterij, FŠ, Ljubljana.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, creating seminar papers.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	2.5

Nr.	Title of the Course/Module	**Prevention of Injuries in Children and Young Athletes**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Full Prof. Dragan Milanović, PhD
3.	Name of the Course/Module Associate Teacher(s)	Sanja Šalaj, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	10 (2L +6RS+0W+2DP)
6.	Outline of the Course/Module Content	During this course students will have lectures, research seminars and discussion panels within topics: - Prevention in different sports: critical zones and load specificity - Research of preventing injuries in sports - Characteristics of organism in child athletes - The impact of prevention programs in reducing the number of injuries in children and young athletes - The impact of prevention programs in reducing the risk of injuries in children and young athletes During this research seminars students will make drafts of their own researches in the field of programming prevention programs in the sport with the aim of reducing the number of injuries or risk of injuries.
7	The Reading List	1. Milanović, D., Šalaj, S. i Gregov, C. (2012). Opća kondicijska priprema u funkciji zaštite zdravlja sportaša. Arhiv za higijenu rada i toksikologiju, 63, Suppl. 3, 103-119. 2. Paterno MV, Taylor-Haas JA, Myer GD, Hewett TE. (2013). Prevention of overuse sports injuries in the young athlete. Orthop Clin North Am. 2013 Oct;44(4):553-64.
	The Additional Reading List	1. Karen DeSafey Liller (2012). Injury Prevention for Children and Adolescents: Research, Practice, and Advocacy, American Public Health Association.
8.	Instruction Methods	Lectures, research seminars and discussion panels
9.	Description of the Course/Module Requirements	Class attendance, creating seminar papers.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	2.5

Nr.	Title of the Course/Module	**Modern Approach in Diagnosis and Treatment of Acute and Chronic Pain in Neurology**
1.	Required or elective Course/Module	Elective Course
2.	Name of the Course/Module Teacher	Asst. Prof. Iris Zavoreo, PhD
3.	Name of the Course/Module Associate Teacher(s)	Full Prof. Dubravka Ciliga, PhD Tatjana Trošt Bobić, PhD
4.	Language of the Course/Module	Croatian/English Language
5.	Number of Lessons	10 (2L +2RS+4W+2DP)
6.	Outline of the Course/Module Content	During this course students will gain knowledge of basic anatomy, pathophysiology and possibilities of diagnostics and therapy of acute and chronic non-malignant pain. Lectures will include studying the different aspects of pain: - The anatomy of pain pathways - display of somatosensory system and its interaction with other systems in clinical presentation of pain, - Pathophysiology of pain - generating mechanisms of pain impulses on periphery and its transmission to the somatosensory cortex, excitatory and inhibitory mechanisms for modulation of pain impulses, the role of negative neuroplasticity as cause of chronic pain and positive neuroplasticity in the modification of pain impulse, - Neurological examination and possibilities of qualitative and quantitative assessment of causes and character of pain – basics of neurological examination with special reference to somatosensory system and application of pain assessment scales, diagnostic tests in patients with pain (radiological examination, ultrasound examination, electrophysiological examination), - Physical medicine and kinesitherapy methods in treating pain - application of various physical processes in treating pain (access to various clinical syndromes – e.g., headaches, cervical syndrome, lumbosacral syndrome, cranial nerve neuralgia), - The pharmacological treatment of pain and non-pharmacological adjuvant treatment - using various types of medical products for the treatment of acute and chronic pain, possibility of side effects and combination with other physical medicine and kinesitherapy methods. Acupuncture and neurobiofeed-back as adjuvant treatment. At research seminars students will, in accordance with the planned program of lectures, choose one topic and write a seminar paper in the form of a review article or an essay

		according to their own interests and potential dissertation topic.
7	The Reading List	1. Grbavac Ž. Neurologija. A.G.Matoš,Zagreb, 1997. 2. Demarin V, Trkanjec Z. Neurologija, Medicinska naklada, Zagreb, 2008. 3. Demarin V, Bašić Kes V, Zavoreo I et al: Pobijedimo migrenu i druge glavobolje. Zagreb: Naklada Zadro, 2007. 4. Bašić-Kes V, Zavoreo I, Rotim K, Bornstein N, Rundek T, Demarin V. Ad hoc Committee of the Croatian Society for Neurovascular Disorders; Croatian Medical Association. Recommendations for diabetic polyneuropathy treatment. Acta Clin Croat. 2011 5. Demarin V, Bašić-Kes V, Zavoreo I, Bosnar-Puretić M, Rotim K, Lupret V, Perić M, Ivanec Z, Fumić L, Lusić I, Aleksić-Shihabis A, Kovac B, Ivanković M, Škobić H, Maslov B, Bornstein N, Niederkorn K, Sinanović O, Rundek T; Ad hoc Committee of the Croatian Society for Neurovascular Disorders; Croatian Medical Association. Recommendations for neuropathic pain treatment. Acta Clin Croat. 2008 Sep;47(3):181-91.
	The Additional Reading List	1. Kes VB, Cengić L, Cesarik M, Tomas AJ, Zavoreo I, Matovina LZ, Corić L, Drnasin S, Demarin V. Quality of life in patients with multiple sclerosis. Acta Clin Croat. 2013 Mar;52(1):107-11. 2. Demarin V, Bašić Kes V. Migrena i poremećaji temporomandibularnog zgloba. U: Valentić-Peruzović M. Jerolimov V (ur.). Temporomandibularni poremećaji, multidisciplinarni pristup. Zagreb: Stomatološki fakultet Sveučilišta u Zagrebu, Akademija medicinskih znanosti Hrvatske, 2007. 3. Demarin V, Bašić Kes V. i suradnici. Glavobolje i druga bolna stanja. Medicinska naklada, Zagreb,2011.
8.	Instruction Methods	Lectures, research seminars, workshops and discussion panels
9.	Description of the Course/Module Requirements	Students will prepare a selection of papers related to course topics and their dissertation research, but also prepare review paper and orally expose it.
10.	Monitoring of Teaching Quality	Anonymous student survey.
11.	Appointed ECTS	2.5

A.5.7. Required workshops (I. semester of the study)

Nr.	Title of the Workshop	**Scientific Writing, Publishing and Evaluation**
1.	Name of the Workshop Teacher	Assoc. Prof. Goran Marković, PhD
2.	Language of the Workshop	Croatian/English Language
3.	Number of Lessons	18 (3 x 6)
4.	Outline of the Course/Module Content	**Workshop 1** During this workshop, the students will be studying the basis of scientific writing styles; what are the types of scientific publications and the structure and analysis of scientific articles. Also the workshop will include the analysis of characteristics and requirements of the doctoral dissertation proposal. All topics will be analyzed and presented through published scientific publications. **Workshop 2** In this workshop the students will study the methodology of scientific literature research; how to present the data in scientific paper, the construction of the scientific hypotheses and scientific goals and also how to write the Methodology sections of the papers. All topics will be analyzed and presented through published scientific publications **Workshop 3** In this workshop the students will learn the methods of literature (references) citations in scientific publications; what are the important ethical issues of authorship and ethical principles of research. Also the topics will be dedicated to writing a good research project proposal. Finally, the students will be asked to write a virtual research project
5.	The Reading List	1. Silobrčić, V. (2011). Kako sastaviti, objaviti i ocijeniti znanstveno djelo. 6. izdanje, Medicinska naklada, Zagreb. 2. Marušić, M. (ur.). (2008). Uvod u znanstveni rad u medicini. 4. izdanje, Medicinska naklada, Zagreb.
	The Additional Reading List	1. Borovečki, A., Lacković, Z. (ur.). (2008). Odgovorno ponašanje u znanosti. Medicinska naklada, Zagreb. 2. Day, R.A., Gastel, B. (2006). How to write and publish a scientific paper. 6th edition; Greenwood Press, London.
6.	Instruction Methods	Workshops
7.	Description of the Course/Module Requirements	Class attendance, creating virtual scientific research project, home assignements.
8.	Monitoring of Teaching Quality	Anonymous student survey.
9.	Appointed ECTS	5

Nr.	Title of the Workshop	**Research Methodology of Kinesiology**
1.	Name of the Workshop Teacher	Full Prof. Franjo Prot, PhD Assoc. Prof. Goran Sporiš, PhD
2.	Name of the Course/Module Associate Teacher(s)	Full Prof. Rado Pišot, PhD
3.	Language of the Workshop	Croatian/English Language
4.	Number of Lessons	24 (3 x 8)
5.	Outline of the Course/Module Content	**Workshop 1** - Review of relevant fundamental and applied research studies in kinesiology - Historical development of research in kinesiology in Croatia and abroad - Methodological orientation and research problem classification in the field of kinesiology - Epistemological status of kinesiology with regard to interdisciplinarity - Independence of kinesiological science - Theoretical and empirical research in kinesiology **Workshop 2** - Experimental and quasiexperimental research approaches in kinesiology - Research methods in kinesiology - Devising the concepts and the issue of measurability of kinesiological phenomena - The concept of structure and function of kinesiological systems - Univariate and multivariate basics of kinesiological researches - The nature and the characteristics of composite measures of kinesiological manifestations **Workshop 3** - Methodological basics of the transformation and condensation of the data from kinesiological research - Methodological approaches and methods of analysing the quantitative and the qualitative changes under influence of kinesiological transformational processes - General principles of cybernetic modelling of the parameters of transformational processes and the control systems of effects of these processes - Legislative frame of scientific work in the field of kinesiology - Ethical principles of research done on human samples - The scientist and his/her work with regard to public opinion, preservation and permanent storing of data and research results - Criteria for topic selection, project submission and the principles of writing and constructing a master's thesis or a doctoral dissertation
6.	The Reading List	1. Thomas, J.R., Nelson, J.K. and Silverman, S. (2010). *Research Methods in Physical Activity* (6th edition).

		Champaign, Il: Human Kinetics. 2. Chris Gratton i Ian Jone (2010.): Research Methods for Sport Studies. Routledge, Taylor&Francis Group 3. Bjorn Gustavii (2008): How to Write and Illustrate a Scentific Paper. Cambidgre University Press 4. Jerry R. Thomas, Jack K. Nelson, Stephen J. Silverman (2011.): Research Methods in Physical Activity
	The Additional Reading List	1. Field, A. P. (2005). Discovering statistics using SPSS. London: SAGE Publications. 2. Gustavii, B. (2008). How to write & illustrate a scientific paper. New York: Cambridge University Press.
7.	Instruction Methods	Workshops
8.	Description of the Course/Module Requirements	Class attendance, creating virtual scientific research project, home assignements.
9.	Monitoring of Teaching Quality	Anonymous student survey.
10.	Appointed ECTS	8

A.6. TEACHING AND RESEARCH CONDITIONS FOR IMPLEMENTATION OF THE DOCTORAL STUDY

A.6.2. LIST OF TEACHERS

Nr.	Title, last name, First name of the teacher	**Full Prof., Andrijašević Mirna, PhD**
1.	Leader of the course(s)	Kinesiology and Health Promotion Kinesiology in Tourism and Leisure Management and Evaluation of Kinesiological Recreation Programmes Complementary Programmes in Kinesiological Recreation
2.	Associate teacher in course(s)	Applied Kinesiology Research
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	mandrij@kif.hr
5.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor, May 15, 2012
6.	Biography	Personal information: Academic education: University of Zagreb Graduate study: Faculty of Physical Education (1981) Postgraduate study: Faculty of Physical Education (1992) Dissertation: Faculty of Kinesiology (1997) Advancements: research fellow - since 1996; assistant professor - since 1998; associate professor - since 2002; full professor - since 2007; tenured full professor - since 2012 Teaching activities: Undergraduate and graduate/integrated university study leader of the course: KINESIOLOGICAL RECREATION; leader of the elective module: KINESIOLOGICAL RECREATION (leader of courses as part of the module: Methodics of Kinesiological Recreation in Leisure; Programming in Kinesiological Recreation); elective course: Wellness. Doctoral study: leader of the course: Research in Kinesiological Recreation; elective module Kinesiological Recreation and courses: Programming in Kinesiological Recreation; Programming Models in Kinesiological Recreation. At the postgraduate specialist study leader of the course Kinesiological Recreation. Leader of the elective module Kinesiological Recreation and courses: Programming in Kinesiological Recreation; Programming Models in Kinesiological Recreation. Duties at the Faculty of Kinesiology: head of the Chair of Kinesiological Recreation and Kinesitherapy since 1998; head of the Department of General and Applied Kinesiology (2 terms of office since 2003), as well as 2 terms of office of 2 years as the deputy head of the Department of General and Applied Kinesiology; head of the postgraduate doctoral study –

		module Kinesiological Recreation; head of the professional postgraduate study in the specialisation of Kinesiological Recreation; member of the Work group on the production of the new doctoral study and the integrated university study of kinesiology for the vocation of Master of Kinesiology in accordance with the new ECTS system from 2003; she was a guest lecturer at postgraduate studies: at the Faculty of Sport in Ljubljana; at the Faculty of Tourism and Hospitality Management in Opatija; an associate at the Department of Medical Chemistry, Biochemistry and Clinical Chemistry at the School of Medicine, University of Zagreb. She teaches at the Faculty of Economics and Business, University of Zagreb at the postgraduate study of Entrepreneurship and Management in Tourism and Sport. In her scientific and professional work she practises English and Italian; As of October 1st 2011 she is the Vice Dean for Education at the Faculty of Kinesiology, as part of which duty she is the head of several committees which are of interest to the Faculty, the teachers and the students. Duties in the academic community: member of the Office for Academic Recognition of Foreign Higher Education Qualifications at the University of Zagreb Scientific activities: scientist and researcher identification number: 214314; she published scientific and professional papers (164) in the field; she presents papers in scientific and professional conferences in the country and abroad (54); she is an active researcher in projects of the Ministry of Science, Education and Sports of the Republic of Croatia (5) Editorships, memberships in editorial boards of journals and paper reviews: member of the editorial board of the international scientific journal Kinesiology (cited in the WoS, Scopus, Index Copernicus, PsycINFO, SPORTDiscus Full Text); member of the editorial board of the international scientific journal Acta Kinesiologica; editor of conference proceedings form international scientific and professional conferences; reviewer of scientific and professional books; reviewer in international and domestic scientific and professional journals (Kinesiology, Kinesiologia Slovenica, Jadertina, Acta Kinseiologica); long-time member of the editorial board of the journal Sport for all; she was a professional associate at the journal PROwellness Professional activities: she was vice president of the Zagreb Association for Physical Recreation “Sport for all”. She participated in the organization of numerous manifestations in relation with the Croatian Association for Physical

		Recreation and the Zagreb Association for Physical Recreation "Sport for all" (March women's meetings, Olympics for children and the elderly, she organized the first conference on Sport for the Disabled and Physical Recreation for the Elderly) Awards and acknowledgements: Golden badge and diploma from the Croatian Association of Physical Education Teachers in 1999 and acknowledgements from the Croatian Association for Physical Recreation
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Jurakic, Danijel; Andrijasevic, Mirna; Pedisic, Zeljko. Assessment of Workplace Characteristics and Physical Activity Preferences as Integral Part of Physical Activity Promotion Strategies for Middle-aged Employees. SOCIOLOGIJA I PROSTOR Volume: 48 Issue: 186 Pages: 113-131 Published: JAN-APR 2010 2. Jurakic, Danijel; Pedisic, Zeljko; Andrijasevic, Mirna. Physical Activity of Croatian Population: Cross-sectional Study Using International Physical Activity Questionnaire. CROATIAN MEDICAL JOURNAL Volume: 50 Issue: 2 Pages: 165-173 DOI: 10.3325/cmj.2009.50.165 Published: APR 2009 3. Andrijasevic, Mirna; Ciliga, Dubravka; Jurakic, Danijel. Is Sports Recreation Important to University Students? COLLEGIUM ANTROPOLOGICUM Volume: 33 Issue: 1 Pages: 163-168 Published: MAR 2009 4. Markus, Damir; Andrijasevic, Mirna; Prskalo, Ivan: Physical Activity of Final Grade Students. ODGOJNE ZNANOSTI-EDUCATIONAL SCIENCES Volume: 10 Issue: 2 Pages: 349-367 Published: 2008 5. Markuš, Damir; Andrijašević, Mirna; Prskalo, Ivan. Tjelesna aktivnost maturanata. Odgojne znanosti. 10 (2008) , 2; 349-367
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	Valorisation of Sport in the Function of Development of Winter Tourism in Croatia (0034-201). Project leader: professor Mato Bartoluci, PhD Body Reactions to Changes in Diet (0108068) Project leader: assistant professor Ivančica Delaš, PhD Development Concept of Sport and Nautical Tourism in Croatia (034-0672288-26006) Project leader: professor Mato Bartoluci, PhD Epidemiology of Physical Exercise in the Republic of Croatia (034-0000000-3359) Project leader: professor Stjepan Heimer, PhD Faculty of Kinesiology, University of Zagreb

Nr.	Title, last name, First name of the teacher	**Altabas Karmela, PhD, MD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Physical Activity in Tertiary Prevention of Chronic Diseases
3.	Home institution	Teaching Hospital “Sisters of Charity”
4.	E-mail address	karmela.altabas@gmail.com
5.	Biography	Karmela Altabas was born on the 10th of November 1968. She graduated the educational center for mathematical sciences "Vladimir Popović" in 1987. Graduated the School of Medicine, University of Zagreb in 1993. She passed her professional exam in 1994. Worked at the Trešnjevka Health Center in 1994 and then at the Health Center Donja Stublica in 1994/95. From 1996 to 2006 worked at the General Hospital "Sveti Duh", first as a research assistant on the project "Pathophysiology of pathophysiology and irritable bowel syndrome" of the Ministry of Science, Education and Sports, led by prof. dr. Ante Bilić. In 2001 she completed the postgraduate program in Clinical pharmacology and toxicology. In 2003 obtained her Master's degree in the field of Biomedicine and Health at the School of Medicine, University of Zagreb by successfully defending her thesis entitled "Cisaoride Treatment of Chronic Functional Constipations". In 2004 acquired the title special of Internal Medicine specialist and worked at the Internal Clinic at both the Department of Nephrology and Dialysis and the Department of Clinical Pharmacology. Since 2006 works at the University Hospital Centre "Sisters of Mercy" at the Department of Nephrology and Dialysis. Head of the Department of Nephrology and Dialysis at the University Hospital "Sisters of Mercy" since 2013. Since 2008 she participated in teaching the elective course at the School of Medicine, University of Zagreb - Arteriovenous Fistulae in the treatment of chronic renal failure (lead by Dr. Sc. Ino Lovričević). In 2009 she obtained the title of industry specialist in Internal Medicine-Nephrology. In 2010 she became a Doctor of Science in the field of Biomedicine and Health at the School of Dentistry, University of Zagreb with her dissertation entitled "Comparison of pharmacokinetics and tolerability of anagrelide in healthy individuals and patients with severe renal impairment". Appointed as a senior assistant with cumulative employment at the Department of Internal Medicine, School of Dentistry, University of Zagreb in 2001. A scientific collaborator since 2012. A member of the Croatian Society of Nephrology,

		Dialysis and Transplantation since 2012. A member of the board of directors of the Croatian Society of Hypertension, the Croatian Medical Association and the European Dialysis and Transplant Association. A member of the editorial board of the journal Acta Clonicae Croaticae since 2012.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Research Assistant, 2012.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Emanuele E, Altabas V, Altabas K. Topical application of preparations containing DNA repair enzymes prevents ultraviolet-induced telomere shortening and c-FOS Proto-oncogene hyperexpression in human skin: An experimental pilot study. J Drugs Dermatol 2013: 12(9):1017-21. 2. Altabas V, Altabas K, Berković-Cigrovski M, Malosevac S, Vrkljan M, Nikolić. Glucose metabolism disorders in patients with acute coronary syndromes. Acta Clin Croat. 2012 Mar;51(1):71-7. 3. Altabas K, Crne N, Franjić BD, Pavlović D, Josipović J. Peritoneal dialysis in a patient with right hemiparesis, lupus nephritis, significant insufficiency of arteries of aortic arch and celiac disease: case report. Acta Med Croatica 66:72-5. 2012. 4. Emanuele E, Bertona M, Altabas K, Altabas V, Alessandrini G. Anti-inflammatory effects of a topical preparation containing nicotinamide, retinol, and 7-dehydrocholesterol in patients with acne: a gene expression study. Clin Cosmet Investig Dermatol. 2012;5:33-7. 5. Berardesca E, Bertona M, Altabas K, Altabas V, Emanuele E. Reduced ultraviolet-induced DNA damage and apoptosis in human skin with topical application of a photolyase-containing DNA repair enzyme cream: clues to skin cancer prevention. Mol Med Report. 2012;5(2):570-4. 6. Emanuele E, Minoretti P, Altabas K, Gaeta E, Altabas V: Adiponectin expression in subcutaneous adipose tissue is reduced in women with cellulite. Int J Dermatol. 2011 Apr;50(4):412-6. doi: 10.1111/j.1365-4632.2010.04713.x. PMID: 21413950 7. Altabas K, Altabas V, Cigrovski Berkovic M, Zjačić Rotkvić V: From Cellulite to smooth skin: Is Viagra the new dream cream? Medical Hypotheses ,2009, 73 : 118–125.
8.	The List of scientific and artistic projects in which the	

	course leader participated in the last five years, and which are relevant for the field of the doctoral programme	

Nr.	Title, last name, First name of the teacher	**Altabas Velimir, PhD, MD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Physical Activity in Tertiary Prevention of Chronic Diseases
3.	Home institution	University Hospital Centre "Sisters of Mercy"
4.	E-mail address	velimir.altabas@gmail.com
5.	Biography	Born on the 31st of March 1968 in Frankfurt am Main in Germany. Started his education in Germany and continued it in Croatia, where he graduated the Classical High School (the then Educational Centre for Languages) in Zagreb in 1968. After completing his mandatory military service, he started a program at the School of Medicine, University of Zagreb, which he graduated in 1994. Had his professional internship at the Clinical Hospital "Dubrava", after which passed the national exam. In 1995 he started working at the University Training Hospital "Sisters of Mercy" as a junior assistant for a project by the Croatian Ministry of Science, Education and Sport "Insulin-like factors of growth and p62 c-myc in solid tumours", led by prof. dr. Tomislav Čabrijan. From 1996 to 2000 specialized in internal medicine at the same institution and in 2000 became a specialist in internal medicine. In 2005 he obtained his Master's degree in Clinical Pharmacology at the School of Medicine, University of Zagreb with his thesis entitled "Impact of Timazole on Bone Structure in Premenopausal Women with Hyperthyroidism" and became a Master of Science. Approved for a subspecialisation in Endocrinology and Diebetology in 2005 and in 2007 became a subspecialist in that area. Currently employed at the University Training Hospital "Sisters of Mercy", Internal Clinic, Department of Endocrinology, Diabetes and Metabolic Diseases "Mladen Sekso", where he is the head of the Educational Centre. Reviewer of scientific articles for the following journals: Acta Clinica Croatia, Coolegium Anthropologicum, Annals of Nutrition and Metabolism, Metabolism, as well as QJM: An International Journal of Medicine. A member of the following professional associations: Croatian Medical Association, Croatian Endocrinology Society, Croatian Society for Diabetes and Metabolic Diseases, European Endocrinology Society, European Association for Studying Diabetes. Fluent in both English and German. Proficient user of both Microsoft Office and Statistics.

6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Altabas K, Altabas V, Cigrovski Berković M, Zjačić Rotkvić V From cellulite to smooth skin: Is Viagra the new dream cream? Medical Hypotheses, 2009, 73: 118-119 2. Kastelan D, Lozo P, Stamenkovic D, Miskic B, Vlak T, Kolak Z, Milas Ahic J, Altabas V, Crncevic Orlic Z, Korsic M. Preference for weekly and monthly bisphosphonates among patients with postmenopausal osteoporosis: results from the Croatian PROMO Study. Clin Rheumatol. 2009, 28(3):321-6. 3. Emanuele E, Minoretti P, Altabas K, Gaeta E, Altabas V.Adiponectin expression in subcutaneous adipose tissue is reduced in women with cellulite.Int J Dermatol. 2011;50(4):412-6 4. Kranjcec D, Altabas V. Metabolic syndrome influencing infarct size and heart failure in patients with acute coronary syndrome - does gender matter?Endocr J. 2012 Aug 17. [Epub ahead of print] 5. Altabas V, Altabas K, Berković-Cigrovski M, Malosevac S, Vrkljan M, Nikolić Heitzler V. Glucose metabolism disorders in patients with acute coronary syndromes.Acta Clin Croat. 2012 Mar;51(1):71-7. 6. Emanuele E, Bertona M, Altabas K, Altabas V, Alessandrini G. Anti-inflammatory effects of a topical preparation containing nicotinamide, retinol, and 7-dehydrocholesterol in patients with acne: a gene expression study.Clin Cosmet Investig Dermatol. 2012;5:33-7.. 7. Berardesca E, Bertona M, Altabas K, Altabas V, Emanuele E. Reduced ultraviolet-induced DNA damage and apoptosis in human skin with topical application of a photolyase-containing DNA repair enzyme cream: clues to skin cancer prevention.Mol Med Report. 2012;5(2):570-4.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	

Nr.	Title, last name, First name of the teacher	**Full Prof., Babić Vesna, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course(s)	Research on Sport and Sport Activities Muscle Fatigue Identifying Basic Motion Strategies in Different Sports
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	vesna.babic@kif.hr
5.	Biography	Vesna Babić: born on November 19, 1964; Croat, married, mother of two children. Education: Primary and secondary school finished in Zagreb. Graduation thesis defended in 1988 at the Faculty of Physical Education. Master's thesis defended on April 10, 2001. Doctoral dissertation: Influence of Motor Skills and Morphological Characteristics on Sprint Running defended on December 8, 2005. An athletic coach since 1988, and a skiing teacher since 2002. Teaching activities, description of advancement in the profession: - top athlete from 1988 to 1989; - physical education teacher from 1988 to1991 at the secondary school XV. Gimnazija; from 1991 to 1994 at primary schools "A.B. Šimić" and "A. Mihanović"; - a mentor in athletic sport schools at the Zagreb Sports Association from 1994 to 1996 and an external associate in the course Athletics at the Faculty for Physical Education, University of Zagreb. As of the year 1996 she has worked at the Faculty of Kinesiology, University of Zagreb as an expert associate, and as of November 1st, 2001 as an assistant. Her last appointment to the research rank of research fellow for the area of social sciences, field of teaching sciences was on March 15, 2006, and to the research-and-teaching rank of assistant professor on June 8, 2006; she was appointed to the research rank of research associate on February 17, 2009, and to the research-and-teaching rank of associate professor on May 5, 2010; she was appointed to the research rank of research counsellor on May 23, 2012, and to the research-and-teaching rank of full professor in the course Athletics on July 11, 2013 at the Faculty of Kinesiology, University of Zagreb. At the School of Medicine, University of Zagreb she participates in the teaching process in the elective course at the study of medicine in English, "Measurement and Analysis of Human Locomotion". She was among the first participants from the University of Zagreb who attended and completed a workshop for mentors in the doctoral education system titled Professionalization of PhD Supervision. She was the first teacher at the Faculty of Kinesiology, and among the first at the University of

		Zagreb, who implemented the e-learning system in addition to the traditional forms in the teaching process for the course Athletics. Professional duties: member of editorial boards of certain international journals: Sport Loggia; Selcuk University Journal of Physical Education and Sport Science; International Journal of Health, Physical Education and Computer Science In Sports; International Journal of Sport Studies and Sport - Science and Practice; Montenegrin Journal of Sports Science and Medicine and an active reviewer in the following national and international scientific journals: Napredak; Kinesiology; Collegium Antropolgicum; International SportMed Journall; Selcuk University Journal of Physical Education and Sport Science; International Journal of Sport Studies; Kinesiologia Slovenica; Montenegrin Journal of Sports Science and Medicine; Science, Movement and Health, etc.. Professional activities: As a top athlete she sets the Croatian record in the women's 400-meter hurdles discipline in 1988. In the period between 1984 and 1987 she participates in the 1987 Universiade project as a member of the Preparational and Organizational Committees. She takes part in the organization of all athletic events both of club and international importance to our country (Athletics World Cup, Split 2010; World military games, Zagreb 1999; World University Games, Zagreb 1987, Athletics European Cup, Zagreb 1981 and many others. She is a member of the Executive Committee at the Croatian Athletic Federation since 2012. She is a member of the Executive Committee at the Zagreb Athletic Association (in the periods between 1996 and 2004, and between 2008 and 2014 when she is appointed as the vice president of the Zagreb Athletic Association). Starting with the year 1984 up until today, she is a member of the Board of Athletic Officials. She is also a member of the IAAF Race Walking Committee. She is an international athletic official and the Commissioner of Athletic Competitions at the Croatian Athletic Federation. In the period between 1994 and 1998 she was a member of the editorial board of the review Athletics. Between 1984 and 1988, and since 2004 up until today she is a member of the Management Committee at the Athletic Club Dinamo-Zrinjevac, and since 2008 up until today she is the vice president of the mentioned club. As of the year 2002 she has been the president of the ABC-info Association at the Zagreb Computing Association, and as of 2005 until today she is also the vice president of the Zagreb Computing Association. In 2002 she became a member of the Croatian

		Board of Snow Sport Instructors and Trainers. She is also a member of the Croatian Kinesiology Association, the Croatian Athletic Coaches Association, the European Athletic Coaches Association, and the European College of Sport Sciences. Scientific activities: She participated in domestic and international scientific and professional conferences and research. She published, both as a single author and as a co-author, 29 professional and 46 scientific papers. She participated in five scientific projects. She is an associate in the international scientific project "Biological and Biomechanical Characteristics of Sprint Running" which is carried out in collaboration with the Laboratory of Kinanthropometry at the Department of Biomedical and Specialty Surgical Sciences (University of Ferrara, Corso Ercole I D'Este, 32, 44100 Ferrara, Italy) and the Institute for Anthropological Research in Zagreb (Ljudevita Gaja 32, 10000 Zagreb, Croatia). Awards and acknowledgements: In the period between 1979 and 1989 she has several times been voted as the best athlete in the club and in the city of Zagreb. In the academic year 1984/85 she had been declared as the best student at the Faculty of Physical Education, University of Zagreb; in 1986 she was awarded the Rector's Award; in 1993 an award from the Zagreb Athletic Association; in 1994 an award from the Zagreb Association of Student's Sports Activities; in 2002 an award from the Croatian Kinesiology Association; in 1997, 199, 2002, 2007, 2010 and 2012 she received awards and acknowledgements for her nonprofessional activities in the Board of Athletic Officials of the city of Zagreb.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor, July 11, 2013
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Gudelj, I., Zagorac, N., & Babić, V. (2013). Influence of kinematic parameters on pole vault results in top juniors . Collegium Antropologicum, 37(suppl.2), 25-30. 2. Saratlija, P., Zagorac, N., & Babić, V. (2013). Influence of kinematic parameters on result efficiency in javelin throw. Collegium Antropologicum, 37(suppl.2), 31-36. 3. Šentija, D., Rakovac, M., & Babić, V. (2012). Anthropometric characteristics and gait transition speed in human locomotion. Human Movement Science, 31(3), 672-682. 4. Babić, V., Čoh, M., & Dizdar, D. (2011). Differences in kinematic parameters of athletes of different running quality. Biology of Sport, 28(2), 115-121.

		5. Coh, M., Babic, V., & Mackala, K. (2010). Biomechanical, Neuro-muscular and Methodical Aspects of Running Speed Development. Journal of Human Kinetics, 26, 73-81. 6. Roberson Jr., D. D., & Babic, V. (2009). Remedy for modernity: Experiences of walkers and hikers on medvednica mountain. Leisure Studies, 28(1), 105-112.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Project of the Ministry of Education, Science and Sports of the Republic of Croatia, number 034-0342607-2279 "Physiological Determinants of Success in Endurance Sports", project leader assistant professor Davor Šentija, PhD. 2. International scientific project: "Biological and Biomechanical Characteristics of Sprint Running" which is carried out in collaboration with the Laboratory of Kinanthropometry at the Department of Biomedical and Specialty Surgical Sciences, University of Ferrara, Corso Ercole I D'Este, 32, 44100 Ferrara, Italy, the Institute for Anthropological Research in Zagreb and the Faculty of Kinesiology, University of Zagreb.

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Babić Zdravko, PhD, MD**
1.	Leader of the course(s)	Physical Activity in Tertiary Prevention of Chronic Diseases
2.	Associate teacher in course(s)	Biological Mechanisms of Physical Activity Impacts on Chronic Disease Prevention
3.	Home institution	Clinical Medical Centre Sestre Milosrdnice, Zagreb
4.	E-mail address	zbabic@net.hr
5.	Biography	Assistant professor Zdravko Babić, PhD, MD was born in Zagreb, on March 20, 1967, where he finished primary school and a secondary school of medicine, while in 1992 he graduated from the School of Medicine, University of Zagreb. During his studies he was an undergraduate assistant at the Department of Histology and Embryology, a student mentor, a cofounder and a member of the Section of Emergency Medicine and a first aid demonstrator-instructor. He was awarded the Rector's Award for the best student paper in the academic year 1991/92. In 1994 he passed his licensing exam, in 1998 he obtained a Master's degree after finishing a postgraduate study at the Faculty of Science, University of Zagreb, in the area Biology, specialisation Biomedicine and Anthropology, in 2001 he passed his specialist internal medicine exam at the Clinical Hospital Merkur, and in 2007 he passed his subspecialist cardiology exam with excellent grades at the Department of Cardiovascular Diseases of the Internal Clinic of the Clinical Hospital Sestre Milosrdnice, where since 2002 he has been working in areas of Invasive and Interventional Cardiology, Cardiac Intensive Care and Echocardiography, as well as in other types of non-invasive cardiology diagnostic procedures. In addition, two international study tours were also a part of his education: Klinik für Anästhesie und Operative Intensivmedizin, Kreiskrankenhaus Böblingen, Germany in 1996 and Abtailung für Kardiologie Kerckhoff Klinik, Bad Nauheim, Germany in 2005. He speaks both English and German. The areas of his scientific and professional interest, as well as of his teaching activities, are Internal Medicine and Cardiology, especially Invasive and Interventional Cardiology, and Sports Medicine, particularly Sports Cardiology, which are precisely the areas elaborated in his master's thesis and dissertation, as well as in most of his published scientific papers. He is the head of the Coronary Care Unit at the Department of Cardiovascular Diseases of the Internal Clinic of the Clinical Hospital Sestre Milosrdnice in Zagreb. He has also been participating for several years in the undergraduate and postgraduate teaching process at the School of Medicine, University of

		Zagreb in courses Clinical Medicine, Internal Propedeutics and Sports Cardiology, as well as at the Faculty of Kinesiology, University of Zagreb in courses Selected Internal Medicine Chapters, Physical Exercise in Health Protection and Biological Anthropology. He is an assistant professor at the Faculty of Kinesiology and a senior assistant at the School of Medicine, University of Zagreb. He has published 14 papers which are cited in the Current Contents database (with an additional two papers in which he had participated as a contributor), a further 22 papers cited the Index Medicus, Excerpta Medica, Biological Abstract, Chemical Abstract, and 69 papers and conference proceedings in indexed journals and other publications (4 conference proceedings are cited in the Current Contents) with a total of 116 citations. He has actively participated in numerous scientific and professional international and domestic conferences, he has co-organized several domestic and international symposiums and courses of lifelong learning and was the project leader or an associate in a number of international and domestic scientific projects. Furthermore, he has reviewed papers for domestic and international journals, he is the president of the Working group on Acute Coronary Syndrome and the secretary of the Working group on Occupational and Sports Cardiology at the Croatian Cardiac Society, as well as the president of the Health Committee at the Croatian Rugby Federation and one of the doctors of the Croatian national rugby team.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Assistant Professor, May, 2012
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Pintaric H, Zeljkovic I, Babic Z, Vrsalovic M, Pavlovic N, Bosnjak H, Petrac D. Electrophysiological predictors of propafenone efficacy in prevention of atrioventricular nodal re-entrant and atrioventricular re-entrant tachycardia. Croat Med J. 2012;53:605-11. 2. Vrsalovic M, Pintaric H, Babic Z, Pavlov M, Vrsalovic Presecki A, Getaldic B, Vrkic N, Nikolic Heitzler V. Impact of admission anemia, C-reactive protein and mean platelet volume on short term mortality in patients with acute ST-elevation myocardial infarction treated with primary angioplasty. Clin Biochem. 2012;45: 1506-9. 3. Babić Z, Gabrić ID, Pintarić H. Successful primary percutaneous coronary intervention in the first trimester of pregnancy. Catheter Cardiovasc Interv 2011; 77: 522-25 4. Nikolić Heitzler V., Babić Z., Miličić D., Bergovec M.,

		Raguž.M., Mirat J., Strozzi M., Plazonić Ž., Giunio L., Steiner R., Starčević B., Vuković I. Results of the Croatian Primary Percutaneous Coronary Intervention Network for Patients With ST-Segment Elevation Acute Myocardial Infarction. The American Journal of Cardiology 2010; 105; 1261-67 5. Nikolic Heitzler V, Babic Z, Milicic D, Starcevic B, Mirat J, Strozzi M, Plazonic Z, Giunio L, Steiner R, Vukovic I, Bernat R, Pintaric H. Evaluation of importance of door-to balloon time and total ischemic time in acute myocardial infarction with ST-elevation treated with primary percutaneous coronary intervention. Acta Clin Croat 2012; 51:387-95. 6. Babić Z., Pavlov M., Bulj N., Nikolić Heitzler V., Mitrović V., Christian Hamm, Weber M. Metabolic syndrome and outcame in patients with acute myocardial infarction. Acta Clin Croat 2011;50:193-9. 7. Nikolić Heitzler V., Pavlov M., Babić Z., Bulj N. Antitrombotska terapija u liječenju bolesnika s infarktom miokarda s elevacijom i bez elevacije ST segmenta. Acta Med Croatica 2009;63:117-20.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	Project leader in the following projects: 1. The Efficacy and Safety of Trimetazidine in Patients with Angina Pectoris having been treated with Percutaneous Coronary Intervention 2. A Randomised Double-Blind, Placebo Controlled, Parallel Group Study to Evaluate Effect of SAR 236553/REGN/27 on the Occurrence of Cardiovascular Events in Patients Who Have Recently Experienced Acute Coronary Syndrome

Nr.	Title, last name, First name of the teacher	**Assoc. Prof., Barić Renata, PhD**
1.	Leader of the course(s)	Motivational Processes in Exercise and Sport Psychological Aspects of Physical Activity
2.	Associate teacher in course(s)	Measuring Instruments in Experimental Kinesiology
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	renata.baric@kif.hr
5.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Assoc. professor, March 19th, 2014
6.	Biography	a) Personal information Date of birth: July 26, 1972 Place of birth: Rijeka, Republic of Croatia Citizenship and nationality: Croat E-mail: renata.baric@kif.hr b) Education 1991-1996: Faculty of Physical Education, University of Zagreb 1997- 2001: Postgraduate study at the Faculty of Physical Education, University of Zagreb 2000-2004: Postgraduate study of Psychology at the Faculty of Arts, University of Ljubljana 2001-2006: Department of Psychology, Faculty of Philosophy, University of Zagreb 2004-2007: Postgraduate doctoral study of Psychology at the Faculty of Arts, University of Ljubljana c) Employments 1996-1998 physical education teacher at primary schools “Trnjanska” and “Ivo Andrić" 1998-today Faculty of Kinesiology, University of Zagreb in courses Kinesiological Psychology and Motor Learning. Also, I participate on the teaching process as an external associate in various courses at numerous faculties of the University of Zagreb. d) Academic degrees, advancements and duties in the profession 1996 Professor of physical education, Faculty of Kinesiology, University of Zagreb 2001 Master of Science in the area of Social Sciences (Kinesiology), Faculty of Kinesiology, University of Zagreb 2004 Master of Science in the area of Social Sciences (Psychology, Clinical Psychology), Department of Psychology, Faculty of Arts, University of Ljubljana

		2006 Graduated Psychologist and professor of psychology, Department of Psychology, Faculty of Philosophy, University of Zagreb 2007 Doctor of Science in the area of Psychology, Department of Psychology, Faculty of Arts, University of Ljubljana 2009 on March 4th, 2009 appointed to the research rank of research associate, in the area of Social Sciences, field of Psychology, branch of Other Psychologies (Sports Psychology) 2009 on March 4th, 2009 appointed to the rank of assistant professor, in the area of Social Sciences, field of Psychology, branch of Other Psychologies (Sports Psychology) with a teaching position at the Faculty of Kinesiology, University of Zagreb 2013/14 appointment to the research-and-teaching rank of research counsellor and associate professor is in progress e) Scientific and professional improvement - Denis Glencross international seminar of sport and exercise psychology (Skiathos, 2001) - a passed licensing psychology exam, Croatian Psychological Chamber, 2007. - Cognitive behavioural therapy 1st and 2nd level + licensing exam (HUBIKOT, 2008- 2010) - Wartegg Drawing Test 1st and 2nd level (Centre for Cognitive and Behavioural Therapy, 2010 and 2011) - Optimization of levels of success in Olympic athletes (Croatian Olympic Committee and Faculty of Kinesiology, Y. Hanin, 2010) - Emotional freedom technique, 1st level (Marina Grgić, certified energy coach, Zagreb, 2010) - Remapping the mind with hypnosis (Hank Laurence, Hypnotherapist and NLP trainer, Zagreb, 2010) - Application of the 16PF and CTI in the selection process and company career management, elementary and advanced education (Slap Edition, Centre for Education and Research; Zagreb, 2011) - Application of the associative cards technique in counselling and psychotherapy (Idemo dalje, Irena Bezić, PhD, Zagreb, 2012) - Professional education Psychological excellence for elite performance - "Conflicts and crisis in elite and Olympic sport" (FEPSAC, Paris, 2012) - Competencies in applied sport psychology (FEPSAC, P. Wylleman, president; Zagreb 2013)

		Project leader: - Quality of Life, Tendency Towards Risky Behaviour and Self-respect in Adolescent Athletes and Nonathletes (Support for the research at the University of Zagreb – Support 2) (2013-2016) - Situational and Dispositional Determinants of Motivation and Quality of Life in Athletes (034-0342282-2605) (2007-2013) - Research of Human Resourses and Potentials in the Croatian Army – subproject: psychology (project in collaboration with the Faculty of Kinesiology, the Ministry of Defence of the Republic of Croatia and the Institute for Research and Development of Defence Systems) (2007-2010) - Monitoring and Evaluation of the Anthropological Status of Croatian Soldiers in International Peace Missions – subproject: psychology (project in collaboration with the Faculty of Kinesiology, the Ministry of Defence of the Republic of Croatia and the Institute for Research and Development of Defence Systems) (2010-2011) f) Languages: English, Italian
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Barić, R. (2012). Motivacija i prepreke za tjelesno vježbanje. Arhiv za higijenu rada i toksikologiju, 63(3), 47-59. 2. Barić, R. (2011). Psychological pressure and athletes' perception of motivational climate in team sports. Review of psychology, 18(1), 45-51. 3. Šimunić, V. i Barić, R. (2011). Motivacija za vježbanje povremenih rekreativnih vježbača: spolne razlike. Hrvatski športskomedicinski vjesnik, 26(1), 19-25. 4. Barić, R. (2010). Psihološki aspekti košarkaške igre - motivacija. U: B. Matković (Ur.), Antropološka analiza košarkaške igre (str. 131-155), Zagreb: Faculty of Kinesiology. 5. Kajtna, T. i Barić, R. (2009). Psychological characteristics of coaches of successful and less successful athletes in team and individual sports. Review of Psychology, 16(1), 47-56. 6. Bungić, M., Barić, R.(2009).Tjelesno vježbanje i neki aspekti psihološkog zdravlja. Hrvatski športskomedicinski vjesnik. 24(2), 65-75. (pregledni rad) 7. Barić, R., Bucik, V. (2009).Motivational differences in athletes trained by coaches of different motivational and leadership profiles. Kinesiology, 41(2), 181-194.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	Project leader of a project financed by the Ministry of Science, Education and Sports, number 034-0342282-2605 Situational and Dispositional Determinants of Motivation and Quality of Life in Athletes

Nr.	Title, last name, First name of the teacher	**Full Prof., Bartoluci Mato, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course(s)	Economic Evaluation of Sport and Recreation Programmes in Tourism
3.	Home institution	University of Zagreb, Faculty of Economics and Business
4.	E-mail address	mato.bartoluci@efzg.hr
5.	Biography	Professor Mato Bartoluci is a tenured full professor at the Faculty of Economics and Business, University of Zagreb. He graduated at the Faculty of Economics and Business, University of Zagreb in 1974, obtained his Master's degree in 1980, and his Doctor's degree in the area of Tourism in 1986 at the afore mentioned faculty. He worked in the economy for a period of five years until 1980 when he was employed at the faculty of Physical Education, starting as an assistant and advancing up to a full professor in courses Economy and Management of Sports and Tourism and Sports. In 2007 he was employed at the Faculty of Economics and Business in Zagreb as a tenured full professor in courses Tourism, Sports Management in Tourism, Entrepreneurship in Tourism and Politics and Development in Tourism. At the Faculty of Kinesiology he was the Vice Dean for Finance and Resource Planning for four terms of office, as well as the Dean, while he is currently filling the post of head of the Department of Tourism at the Faculty of Economics and Business. In the course of his abundant scientific and research activities he has published over 150 scientific and professional papers in referential domestic and international journals, proceedings and other publications, as well as ten books and five textbooks, as a single author or as a co-author. He is a member of editorial boards of several international journals and was the project leader of a number of scientific and professional projects. He is an associate at the Committee for Tourism at the Croatian Academy of Sciences and Arts.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Tenured full professor, February 16, 2004
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10	1. Bartoluci, M., Hendija, Z. (2013). Mogućnosti razvoja ruralnog turizma u Istočnoj Hrvatskoj / Possibilities of Rural Tourism Development in Eastern Croatia (originalni scientific rad), Acta Turistica Nova 7(2), str. 199-215. ISSN 1846-4394 2. Bartoluci, M., Hendija, Z. (2012) Investment management in Croatian Health tourism. Journal of Accounting and Management, 2 (1) Croatian Accountant, str. 70-88. UDC/UDK: 338.48/330.322.

	publications)	ISSN 1848-137X. 3. Čižmar, S., Bartoluci, M., Vusić, M. (2010). Planiranje i razvoj investicijskih projekata u hotelijerstvu u Hrvatskoj. Acta Turistica 22(1), str. 69-97 4. Bartoluci, M., Budimski, V. (2010). Upravljanje poduzetničkim projektima u turizmu Republike Hrvatske. Acta Turistica 22(2), str. 179-200 5. Bartoluci, M. i Škorić, S. (2008.). Ekonomski aspekti velikih sportskih priredbi, primjer Europskog nogometnog prvenstva (pregledni memberak). Računovodstvo i financije, Lipanj (2008.), 182-187. ISSN: 0350-4506; UDK: 338.64
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Project leader in "Development Concept of Sports and Nautical Tourism in the Republic of Croatia", number 034-0672288-2606. 2. In the academic year 2008/09 he participated in the production of the study "Contents and Programmes for Physical Recreation alongside the route Zeleni put – the Croatian ecological main road"

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Cerovec Duško, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course(s)	Biological Mechanisms of Physical Activity Impacts on Chronic Disease Prevention
3.	Home institution	Special Hospital for Medical Rehabilitation Krapinske Toplice
4.	E-mail address	dusko.cerovec@sbkt.hr
5.	Biography	I was born in 1961 in Zagreb. By nationality I am Croat, married, father of two grown daughters. After finishing my secondary school education in Zaboku, in1979 I enrolled in the School of Medicine in Zagreb. I graduated in 1984 with an average grade of 4,3. Upon serving the military service, I passed the state exam in 1986. I attended my student training at the Special Hospital for Medical Rehabilitation Krapinske Toplice. I performed my specialist training in internal medicine in Zagreb, and I passed my specialization exam on internal medicine on February 9, 1993. Since 1984 I have been permanently employed at the Special Hospital for Medical Rehabilitation Krapinske Toplice, in the Department of Cardiovascular Rehabilitation, and then in the Department of Internal Medicine as the head of internist activities. I was also a member of the Hospital's Management Committee for a longer period of time, further a member of the Professional Committee, as well as the president of the mentioned committee. I also filled the post of assistant to the head of Medical Affairs, and I currently fill the post of head of the Hospital as of April 6, 2009. In 2002 I enrolled in a postgraduate study in Osijek which I completed in 2006. I defended my doctoral dissertation titled "Changes in Heart Rate Variability During Stationary Cardiac Rehabilitation in Relation to the Degree of Depression in Patients Recovering from a Heart Attack" on October 10, 2006 at the University of Osijek. On March 27 I was appointed as an associate to the associate rank of senior assistant at the Department of Internal Medicine at the School of Medicine, University of Osijek. As of June 29, 2009 I was appointed to the research-and-teaching rank of assistant professor in the scientific area of Biomedicine and Health Care at the Department of Internal Medicine at the School of Medicine, University of Osijek. I am a member of a number of professional societies, among which some are the Croatian Cardiac Society, the Croatian Society for Emergency Medicine and Medical Intensive Care and the Croatian Society for Medical Informatics. I am also a member of the European Society of Cardiology. I

		have actively participated in numerous domestic and international professional gatherings, courses and conferences, predominantly in the area of cardiology. I almost regularly participate in all European and World Cardiology Conferences. I am a mentor to registrars in internal medicine, as well as a mentor to a number of colleagues in the production of their doctoral dissertations. I had given several lectures in the area of internal medicine and cardiology for primary care physicians and specialist physicians. Since the beginning of my employment I have continually published scientific and professional papers, as well as conference proceedings in the area of cardiology. I have published some ten original scientific and professional papers, out of which five of them are cited in the Current Contents database, as well as are more than 50 conference proceedings.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Assistant professor, June 29, 2009
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Slivnjak V, Lakusic N, Richter D, Cerovec D. Stress cardiomyopathy with ST-segment elevation of the anterolateral location complicated by a secondary massive intracranial bleeding. Int J Cardiol 2009; 136: e63-e65. 2. Bjarnason-Wehrens B, McGee H, Zwisler AD, Piepoli MF, Benzer W, Schmid JP, Dendale P, Pogosova NG, Zdrenghea D, Niebauer J, Mendes M, (Cerovec D); Cardiac Rehabilitation Section European Association of Cardiovascular Prevention and Rehabilitation. Cardiac rehabilitation in Europe: results from the European Cardiac Rehabilitation Inventory Survey.Eur J Cardiovasc Prev Rehabil. 2010; 17: 410 - 8. 3. Istvanović N, Smalcelj A, Filaković P, Cerovec D, Plecko D. Influence of in-hospital cardiac rehabilitation on psychological status after myocardial infarction in patients with D-type personality. Coll Antropol. 2011 Sep;35(3):797-807. 4. Fuckar K, Lakusic N, Cerovec D. Rare psychotropic adverse event of moxonidin. Psychiatr Danub. 2009; 21: 518. 5. Lakusic N, Slivnjak V, Baborski F, Cerovec D. Heart Rate Variability after Off-Pump versus On-Pump Coronary Artery Bypass Graft Surgery. Cardiol Res Pract. 2009; 2009: 295376. 6. Lakušić N, Baborski F, Čerkez Habek J, Sonicki Z, Cerovec D, Majsec M. Pojavnost velikih neželjenih srčanožilnih događaja nakon kardiokirurških zahvata. Lijec Vjesn 2009; 131: 54 - 7.

		7. Slivnjak V, Lakušić N, Cerovec D, Richter D. Tako-tsubo kardiomiopatija; reverzibilna disfunkcija lijeve klijetke koja oponaša akutni infarkt miokarda sa ST-elevacijom. Lijec Vjesn 2009; 131: 14 - 7. 8. Lakušić N, Klasić A, Čunović Dubroja R, Halapir M, Cerovec D, Bernat R, Šipić T. Klinički značaj lažno povišene koncentracije troponina. Lijec Vjesn 2011; 133: 292 - 3. 9. Peršić V, Miletić B, Boban M, Ružić A, Cerovec D. i sur. Kardiovaskularna prevencija i rehabilitacija: gdje smo i kuda idemo? Cardiologia Croatica 2012; 7: 158 – 69.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	

Nr.	Title, last name, First name of the teacher	**Full Prof. Mario Cifrek, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course(s)	Biomechanics of Locomotion
3.	Home institution	University of Zagreb, Faculty of Electrical Engineering and Computing
4.	E-mail address	mario.cifrek@fer.hr
5.	Biography	Born in 1964 in Varaždin. Graduated in 1987, obtained his Master's degree in 1992, his Doctor's degree in 1997 at the Faculty of Electrical Engineering and Computing, University of Zagreb. As of 1987 employed at the mentioned faculty, appointed to the permanent research-and-teaching rank of a tenured full professor on December 11, 2012. His scientific and professional work is in the area of sensors, electronic instrumentation and biomedical engineering with a special emphasis on measuring, elaborating and analysing biomedical signals. Teaching activities - undergraduate study at the Faculty of Electrical Engineering and Computing: Computer Supported Projecting of Electronic Devices; graduate study at the Faculty of Electrical Engineering and Computing: Biomedical Informatics, Biomedical Signals and Systems, Electronic Equipment Power Supplies, Multisensory Systems and Locomotion, Programming Industrial Embedded Systems, Sensor Technologies; postgraduate study at the Faculty of Electrical Engineering and Computing: Biomonitoring Systems, Systems of Measuring Nonelectrical Quantities; School of Medicine-study of medicine in English: Measurement and Analysis of Human Locomotion; School of Medicine-postgraduate study: Electrophysiological Methods in Medical Research; University of Applied Health Studies: Analysis of Human Body Movements. Participated in the realization of seven scientific and several professional projects, and was the project leader of the bilateral collaboration with China. Co-author of chapters in two scientific books, published 20 papers in journals out of which 11 in CC (SCIE more than 80 citations) and over 140 papers in international and domestic conferences. He was a mentor for one doctoral dissertation at the Faculty of Electrical Engineering and Computing and a co-mentor for one doctoral dissertation at the School of Dental Medicine. In the doctoral study at the Faculty of Electrical Engineering and Computing he is the coordinator for 12 students. He is a member of the Institute of Electrical and Electronics Engineers (IEEE), the International Federation for Medical and Biological Engineering (IFMBE), the European Society for

		Engineering and Medicine (ESEM), the International Federation of Accountants (IFAC), the Croatian Society of Medical and Biological Engineering (HDMBT), the Croatian Society for Communication, Computing, Electronics, Measurement and Control (KKOREMA), and the Croatian Mathematical Society (HMD), as well as an associate member at the Croatian Academy of Engineering. He was awarded with silver plaques "Josip Lončar" for a notable and successful master's thesis and for an exceptionally successful doctoral dissertation.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Tenured full professor, December 11, 2012
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Željka Lučev, Igor Krois, Mario Cifrek: A Capacitive Intrabody Communication Channel from 100 kHz to 100 MHz. IEEE transactions on instrumentation and measurement, 61(12), 2012, 3280-3289. 2. Vedran Srhoj-Egekher, Mario Cifrek, Vladimir Medved: The application of Hilbert-Huang transform in the analysis of muscle fatigue during cyclic dynamic contractions. Medical and Biological Engineering and Computing, 49(6), 2011, 659-669. 3. Magdalena Krbot, Ana Branka Šefer, Mario Cifrek, Zoran Mitrović, Igor Krois, Velimir Išgum: Somatosensory Vibratory Evoked Potentials: Stimulation Parameters. Automatika, 52(1), 2011, 31-28. 4. Mario Cifrek, Vladimir, Medved, Stanko Tonković, Saša Ostojić: EMG based muscle fatigue evaluation in biomechanics. Clinical Biomechanics, 24(4), 2009, 327-340. (SCIE 36 citata) 1. Vladimir Medved, Mario Cifrek: Kinesiological Electromyography. In "Biomechanics in Applications / Book 1", Vaclav Klika (ed.). Rijeka, InTech, 2011., 349-366, ISBN 978-953-307-969-1. 2. Željka Lučev, Igor Krois, Mario Cifrek: Intrabody Communication in Biotelemetry. In „Wearable and Autonomous Biomedical Devices and Systems for Smart Environment", Lay-Ekuakille, Aimé ; Mukhopadhyay, Subhas Chandra (ed.). Berlin, Springer Verlag, 2010., 351-368, ISBN 978-3-642-15686-1
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Research of Intrabody Communication for Body Area Networks. 2011-2013. Fuzhou University, Key Laboratory of Medical Instrumentation and Pharmaceutical Technology, Fujian Province, P.R. China. Croatian-Chinese Scientific and Technological Cooperation. Project leader. 2. Research of Movement Neurophysiology by Applying the Evoked Potentials Method (project leader assistant

		professor Velimir Išgum, PhD), between March 1st, 2008 and December 31, 2013. Project financed by the Ministry of Science, Education and Sports of the Republic of Croatia 312-0362979-3258. 3. Non-invasive Measurements and Procedures in Biomedicine (project leader professor Stanko Tonković, PhD), between January 1st 2007 and December 31, 2013. Project financed by the Ministry of Science, Education and Sports of the Republic of Croatia 036-0362979-1554.

Nr.	Title, last name, First name of the teacher	**Assoc. Prof., Ciliga Dubravka, PhD**
1.	Leader of the course(s)	Scientifically Founded Planning and Programming in Kinesitherapy Diagnostics in Kinesitherapy
2.	Associate teacher in course(s)	Research Methodology in Kinesitherapy Applied Kinesiology Research Modern Approach in Diagnosis and Treatment of Acute and Chronic Pain in Neurology
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	dciliga@kif.hr
5.	Biography	Dubravka Ciliga, born in Slavonski Brod, July 21, 1960. EDUCATION: Faculty: Faculty of Physical Education, University of Zagreb (1983-87) Postgraduate studies: Master's degree: postgraduate study of natural sciences, specialisation Biology, area Anthropological Biology at the Faculty of Science, University of Zagreb (1987/88-1991). Doctor's degree: defence of the doctoral dissertation at the Faculty of Physical Education, University of Zagreb (2000) ACADEMIC DEGREE: Dubravka Ciliga, PhD, was appointed to the research-and-teaching rank of an associate professor in the area of social sciences, field kinesiology, branch kinesitherapy and adjusted physical exercise, on June 13, 2012 at the Faculty of Kinesiology in the course Kinesitherapy. EMPLOYMENT: - Trainee for scientific improvement and immediate participation in the teaching process at the Department of General and Applied Kinesiology, in the course Kinesitherapy at the Faculty of Physical Education, University of Zagreb between 1987 and 1991. - Assistant at the Department of General and Applied Kinesiology, in the course Kinesitherapy at the Faculty of Physical Education, University of Zagreb between 1991 and 2002. - Senior assistant at the Department of General and Applied Kinesiology, in the course Kinesitherapy at the Faculty of Physical Education, University of Zagreb since 2002. - Coach at the Basketball Club STELA since 1987. - Senior lecturer in the course Sports for People with Disabilities at the University of Applied Health Studies, University of Zagreb since 1991. - Since 2004 she teaches the elective module Kinesiological Recreation where she gives lectures in the course Sports for People with Disabilities.

		- Lecturer at the University of Applied Health Studies in Zagreb. She gives theoretical and practical lectures in the course Kinesitherapy in studies of Physical Conditioning of Athletes, Physical Recreation, Fitness Training, Football, Wrestling, Water Polo, Basketball, Volleyball and Rifle Shooting. - President of the Croatian Sports Federation of Disabled Persons between 1995 and 1997. - President of the Zagreb Sports Association of Disabled Persons since 1994. - Selector of the Croatian national basketball team (wheelchair basketball) since 2004. - Coordinator for student mobility between the Faculties of Physical education in Slovakia, Slovenia, Poland, Austria, the Check Republic and Croatia as part of the CEEPUS project titled "Adjusted Physical Exercise" financed by the Ministry of Science, Education and Sports. - In 2008 she was included in a project in the field of social care for financial aid of associations for people with disabilities in which she fills the post of coordinator for students with disabilities at the University of Zagreb, and as part of which she participates in the activities of committees for awarding scholarships from the city of Zagreb to pupils and students with disabilities.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Associate professor, July 13, 2012
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Zavoreo, I., Bašić Kes, V., Zadro-Matovina, L., Lisak, M., Corić, L., Cvjetičanin, T., Ciliga, D., Trošt Bobić, T. (2013). Cerebral venous circulatory system evaluation by ultrasonography, Acta Clinica Croatica, 52(2):203-211. 2. Zavoreo, I., Bašić Kes, V., Lisak, M., Maršić, N., Ciliga, D, Trošt Bobić, T. (2013). Cognitive decline and cerebral vasoreactivity in asymptomatic patients with severe internal carotid artery stenosis. Acta Neurologica Belgica, Published online 06 April 2013, ahead of print DOI 10.1007/s13760-013-0196-4. 3. Filipović, V., Ciliga, D. (2010). Postural adaptation of idiopathic adolescent scolioses (IAS). Review. Kinesiology, 42 (1): 16-27. 4. Trošt Bobić, T., Ružić, L., Ciliga, D. (2009). Retrospektivno istraživanje o ozljedama studenata Kineziološkog fakulteta – Usporedba dvaju studijskih programa. Hrvatski Športskomedicinski Vjesnik, 24:88-97. 5. Andrijašević, M., Ciliga, D. i Jurakić, D. (2009). Is sport

		recreation important to university students? Collegium Antropologicum, 33(1), 163-169.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	In the period between 1998 and 2003, Dubravka Ciliga, PhD, actively participates in the realization of the CEEPUS project financed by the Ministry of Science, Education and Sports titled "Adjusted Physical Exercise" as a coordinator for student mobility between the Faculties of Physical education in Slovakia, Slovenia, Poland, Austria, the Check Republic and Croatia. She currently fills the post of coordinator for students with disabilities at the University of Zagreb.

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Ćurković Sanja, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course(s)	Kinesiology and Health Promotion Kinesiology in Tourism and Leisure Management and Evaluation of Kinesiological Recreation Programmes
3.	Home institution	University of Zagreb, Faculty of Agriculture
4.	E-mail address	sanja.curkovic@gmail.com; scurkovic@agr.hr
5.	Biography	Sanja Ćurković, PhD, born on April 7, 1965 in Subotica (Vojvodina), Croat, citizen of the Republic of Croatia, graduated in 1987 at the Faculty of Kinesiology, University of Zagreb. At the postgraduate study of the Faculty of Kinesiology, University of Zagreb she obtained the title of Master of Social Sciences in 2005, and in 2010 she defended her doctoral dissertation and obtained the title of Doctor of Social Sciences, in the scientific field of Educational Sciences – branch Kinesiology. On April 24, 2013 she was appointed to the research-and-teaching rank of ASSISTANT PROFESSOR. Sanja Ćurković, PhD has a total of 23 years of working experience in her profession. She is employed at the Faculty of Agriculture, University of Zagreb as a senior lecturer at the Department of Physical Education. After a Decision issued by the Faculty of Kinesiology in the academic year 2006/07, she was appointed as an external associate at the Faculty of Kinesiology, University of Zagreb in the course Kinesiological Recreation. She has actively participated, both as an author and a lecturer, in domestic and international gatherings and conferences. As a single author and as a co-author she has published 23 scientific papers and 20 professional papers, and she is also a co-author of mimeographed course materials required for the teaching process in physical education for students at the Faculty of Agriculture, University of Zagreb, which have received a positive review from the Faculty of Kinesiology, University of Zagreb. She participates as a researcher on a project of the Faculty of Kinesiology, University of Zagreb – Development Strategy of Sports and Physical Exercise at the University of Zagreb (2012). As the selector of the women's university handball team she has won three state championships and the bronze medal at the European University Championship in 2011. As a member of the Organizational Committee she also participated in the organization of the 7th European Universities Futsal Championship and the 1st European Futsal Women's Championship which took place in Zagreb

		in 2010. She received a number of acknowledgements for successful work and promotion of the profession, as well as numerous awards for winning the Zagreb Championship 9 times and for winning second place two times in the handball competition for secondary schools. In 2008 she received a reward from the Croatian Kinesiology Association for her long-time successful work and promotion of the profession, and in 2012 she received an Award for successful work in student sports from the Zagreb University Sports Association.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Assistant professor, April 24, 2013
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Caput-Jogunica, R., Ćurković, S. i Bjelić, G. (2012) Comparative analysis – support for student- athletes and the guidelines for the universities in Southeast Europe. Acta Kinesiologica, XX June – prihvaćeno 2. Caput – Jogunica, R., De Privitelio, S., Ćurković, S. (2011). Metrical characteristics of the battery of body power tests suitable for pre-school children. Sport Science 4 , 1:68-72. 3. Sindik, J., Andrijašević, M., Ćurković, S. (2009). Relation of student attitude toward leisure time activities and their preferences toward sport recreation activities. Acta Kinesiologica, 3 (1):54-58. 4. Ćurković S., R. Caput-Jogunica, V. Alikalfić (2008.) Trend rizičnih oblika ponašanja studentica Sveučilišta u Zagrebu. U; M. Andrijašević (ur.) Kineziološka rekreacija i kvaliteta života. Zagreb. 241-250. 5. Caput-Jogunica,R. Ćurković,S., Borko,G. (2009). Koordinatorice u sportu-volonteri u slobodno vrijeme. U; M. Andrijašević (ur.) Upravljanje slobodnim vremenom sadržajima sportske rekreacije. 143-149, Zagreb
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	

Nr.	Title, last name, First name of the teacher	**Full Prof., Čoh Milan, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course(s)	Research on Sport and Sport Activities
3.	Home institution	University of Ljubljana, Faculty of Sport
4.	E-mail address	milan.coh@fsp.uni-lj.si
5.	Biography	- graduated at the Faculty of Sport in Ljubljana in 1977 - Master's degree in 1984 - Doctor's degree in 1988 - appointment to the rank of assistant in 1978 - appointment to the rank of assistant professor in 1989 - appointment to the rank of associate professor in 1995 - appointment to the rank of full professor in 2002 Employment: - at the Faculty of Sport in Ljubljana since 1977 Duties: - Vice Dean for Scientific Research (2001 - 2003) - Vice Dean for Scientific Research (2003- 2007) - president of the Committee for Scientific Research and International Cooperation (2003 – 2007) - president of the Committee for Postgraduate Studies at the Faculty of Sport (2003 – 2007) - editor-in-chief of the journal Kinesiologia Slovenica - co-editor of the journal Kinesiology - member of the editorial board of the journal Homo Sporticus - member of the editorial board of the journal Acta Kinesiologica Member in international associations: - International Society of Biomechanics in Sports (ISBS) - European College of Sport Science - International Association of Sport Kinetics Visiting professor: - Faculty of Physical Education and Health, University of Toronto - Faculty of Physical Culture, Palacky University, Olomouc - Faculty of Physical Education and Sport, Komensky University, Bratislava - Belorussia State Institute of Physical Culture, Minsk - Faculty of Sport and Physical Education, University of Niš - Faculty of Physical Education and Sport, University of Banja Luka - Faculty of Physical Education and Sport, University of Sarajevo - Faculty of Kinesiology, University of Split - Faculty of Kinesiology, University of Zagreb Scientific activities:

		- more than 600 published bibliographical units - more than 130 published scientific papers - 81 papers published in international journals - 5 scientific monographies - papers presented in numerous international conferences - 3 published university textbooks
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Tenured full professor, November 19, 2002
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. ČOH, Milan, MACKALA, Krzysztof. Differences between the elite and sub-elite sprinters in kinematic and dynamic determinations of countermovement jump and drop jump. *Journal of strength and conditioning research*, ISSN 1533-4287, nov. 2013, vol. 27, issue 11, str. 3021-3027 2. MACKALA, Krzysztof, STODÓŁKA, Jacek, SIEMIENSKI, Adam, ČOH, Milan. Biomechanical analysis of squat jump and countermovement jump from varying starting positions. *Journal of strength and conditioning research*, ISSN 1533-4287, October 2013, vol. 27, no. 10, str. 2650-2661 3. MACKALA, Krzysztof, STODÓŁKA, Jacek, SIEMIENSKI, Adam, ČOH, Milan. Biomechanical analysis of standing long jump from varying starting positions. *Journal of strength and conditioning research*, ISSN 1533-4287, October 2013, vol. 27, no. 10, str. 2674-2684 4. ČOH, Milan, ŽVAN, Milan. Biodynamic diagnostic of the explosive power of the lower extremities: a case study. *Acta Universitatis Carolinae. Kinanthropologica*, ISSN 1212-1428, 2011, vol. 47, no. 1, str. 16-25 5. BABIĆ, Vesna, ČOH, Milan, DIZDAR, Dražan. Differences in kinematic parameters of athletes of different running quality. *Biology of Sport*, ISSN 0860-021X, 2011, vol. 28, no. 2, str. 115-121, 6. BRAČIČ, Mitja, HADŽIĆ, Vedran, ČOH, Milan, DERVIŠEVIĆ, Edvin. Relationship between time to peak torque of hamstrings and sprint running performance. *Isokinetics and exercise science*, ISSN 0959-3020, 2011, vol. 19, no. 4, str. 281-286 7. ČOH, Milan, ŠTUHEC, Stanko, VERTIČ, Rok. Consistency and variability of kinematic parameters in the triple jump. *New studies in athletics*, ISSN 0961-933X, 2011, vol. 26, no. 3/4, str. 63-71 8. ČOH, Milan, BABIĆ, Vesna, MAĆKAŁA, Krzysztof. Biomechanical, neuro-muscular and methodical aspects of running speed development. *Journal of Human Kinetics*,

		ISSN 1640-5544, 2010, vol. 26, str. 73-81
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	Project leader: 1. Project "Biomechanical Characteristics of Movements in Selected Sports Branches" (2009-2013) 2. Project "Extreme Loadings of Locomotor System in Various Sports Activities", Foundation for Financing Sport Organizations in Slovenia (2013) 3. Programme group "Kinesiology in Monostructural, Polystructural and Complex Sports" (2002-2007) 4. Programme group "Kinesiology in Monostructural, Polystructural and Complex Sports" (2008-2013) 5. Programme group "Kinesiology in Monostructural, Polystructural and Complex Sports" (2014-2017).

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Dolenec Aleš, PhD**
1.	Leader of the course(s)	Identifying Basic Motion Strategies in Different Sports
2.	Associate teacher in course(s)	
3.	Home institution	University of Ljubljana, Faculty of Sport
4.	E-mail address	ales.dolenec@fsp.uni-lj.si
5.	Biography	Education: - Doctor's degree - Faculty of Sport, University of Ljubljana, 1999; (Effect of Training Jump Shots in Plantar or Dorsal Technique on Ankle Function in Jump Shots); - Master's degree - Faculty of Sport, University of Ljubljana, 1997; (Analysis of Ankle Joint Function in Different Techniques in Vertical Jumps). Courses in which I participate in: - Athletics; - Neuromechanical Basics of Movement; - Power and Flexibility Training; - Diagnostical Methods; - Physical Exercise for the Elderly, for Persons with Chronic Diseases, for Persons with Acute and/or Chronic Injuries and Difficulties with Movement. Associate at the Kinesiological Laboratory (head of the laboratory: professor Vojko Strojnik). Performing biomechanical and EMG measurements in athletics, skiing, volleyball, handball, basketball, tennis, football, hockey, ski jumping. Current research: - Development of Measurement Instruments for Measuring Inversion and Eversion Intensity; - Development of Measurement Protocol in Low Start Sprints; - Measurement of Foot Loading in Running on Different Surfaces; - Assessing the Development of the Walking Technique in Beginner Athletes (in collaboration with the Faculty of Kinesiology, University of Zagreb). International collaboration: - Changes in Mechanical Work during Severe Exhausting Running. BELLI, Alain (University of Saint-Étienne and Lyon), 2003; - Effect of 5% Body Weight Forward Pulling on Dynamics of Treadmill Running. BELLI, Alain (University of Saint-Étienne and Lyon , KYRÖLÄINEN, Heikki (University of Jyväskylä), 2003; - How Exhausting the Ski Holiday is. KOMI, Paavo V.

		(University of Jyväskylä), NICOL, Caroline (University of the Mediterranean, Marseilles), 2004. Activities in sports: Alpine skiing coach, in charge of the physical conditioning of athletes (junior team 2003-2005, European Cup team 2004-2008, World Cup team 2007-2008).
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Assistant professor, October 13, 2010
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. DOLENEC, Aleš, ŠTIRN, Igor, STROJNIK, Vojko. Comparison of lower leg muscle activity in running on tarmac and grAsst. Footwear science, ISSN 1942-4280, Vol. 3, no. S1. Abingdon: Taylor & Francis Group, 2011, vol. 3, no. S1, str. S46-S47 2. DOLENEC, Aleš, ŠKOF, Branko. The impact of fatigue on chosen kinematic parameters of running. *Acta Universitatis Carolinae. Kinanthropologica*, ISSN 1212-1428, 2009, vol. 45, no. 1, str. 41-45. 3. DOLENEC, Aleš, ČOH, Milan. Comparison of photocell and optojump measurements of maximum running velocity = Primerjava fotoceličnih in optojump meritev maksimalne tekaške hitrosti. *Kinesiologia Slovenica*, ISSN 1318-2269. [Print ed.], 2009, vol. 15, no. 2, str. 16-24. 4. TOMAŽIN, Katja, ŠKOF, Branko, DOLENEC, Aleš, ČOH, Milan. Gender-related differences in maximum mechanical power output in short-term activities in children and adoloscents = Spolne razlike u maksimalnoj mehaničkoj snazi tijekom kratkotrajnih aktivnosti kod djece i adolecenata.*Collegium antropologicum*, ISSN 0350-6134, 2008, vol. 32, no. 3, str. 821-828. 5. TOMAŽIN, Katja, DOLENEC, Aleš, STROJNIK, Vojko. High-frequency fatigue after alpine slalom skiing. *European journal of applied physiology*, ISSN 1439-6319. [Print ed.], 2008, vol. 103, no. 2, str. 189-194.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Physical Exercise for the Elderly and a Stable Foot 2. Analysis of the Effect of Environmental Coefficients on Sports and Physical Activities on the Basis of Measuring the Energy Consumption in Children Between the Ages of 11 and 15 3. Physical Exercise for Health and Rehabilitation

Nr.	Title, last name, First name of the teacher	**Full Prof., Furjan-Mandić Gordana, PhD**
1.	Leader of the course(s)	Koreography in Conventional Sports
2.	Associate teacher in course(s)	Research on Sport and Sport Activities
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	gfurjan@kif.hr
5.	Biography	Gordana Furjan-Mandić was born on April 5, 1961 in Varaždin, Croat, citizen of the Republic of Croatia, married, and mother of one child. She finished her primary and secondary school education in Varaždin. In 1984 she graduated at the Faculty of Physical Education in Zagreb. She obtained her Master's degree in 1990, and she defended her doctoral dissertation in 2000 at the aforementioned faculty. In the period between 1984 and 1985 she worked as a physical education teacher at the secondary school Prva gimnazija in Varaždin. In 1985 she is hired at the Faculty of Physical Education (Faculty of Kinesiology) as an apprentice teacher in the courses Dances and Rhythmic Gymnastics. Between 1991 and 2002 she was employed in the rank of assistant in the course Rhythmic Gymnastics, and between 2002 and 2008 in the rank of assistant professor. In February 2008 she was appointed to the rank of associate professor. She is an associate in the elective module Basic Kinesiological Transformations – Fitness Training and Skiing, and she is the leader of the elective course Aerobics. She is a visiting professor in the course Basic Kinesiological Transformations at the Faculty of Kinesiology in Split, as well as in the specialization study group in courses Didactics and Aerobics at the Faculty of Sport, University of Ljubljana. She also presented lectures as a visiting lecturer in seminars for professional improvement of physical education teachers in Slovenia and Austria, and in international seminars for table tennis coaches in Slovenia and Sweden. In 2009 she was a guest lecturer at the University of the Philippines, College of Human Kinetics. She actively participates in domestic and international scientific and professional conferences. As a single author or as a co-author she published more than 40 scientific papers and over 70 professional papers. She is a co-author of one professional book, one university textbook, one faculty manual (all published both in Croatia and in Slovenia), the author of 2 manuals published on CD, and the editor of conference proceedings from an international scientific and professional conference. She was a mentor for over 100 graduation theses, two

		master's theses and two doctoral dissertations. She participated in the production of the choreography for the opening ceremony of the Universiade in Zagreb which took place in 1987. She organized 9 National Sports Aerobics Championships and was one of the initiators of the University Sports Aerobics Championships, as well as the coach of the sports aerobics team at the Faculty of Kinesiology, which was many times the winner of the afore mentioned competitions. She is the author and co-author of student choreographies in rhythmic gymnastics and aerobics which had been publicly performed in numerous sports competitions and several University Fairs. She completed courses for acquiring the title of physical recreation coach, rhythmic gymnastics coach, dance instructor, aerobics instructor and judge, synchronized swimming judge, skiing instructor and Nordic walking coach. She was a member of the Committee for Women in Sports – a permanent working group of the Croatian Olympic Committee. She is the president of the Croatian academic synchronized swimming club "Mladost" in Zagreb, a member of the presidency at the Croatian academic sports club "Mladost" and a member of the Executive Committee at the Croatian Synchronized Swimming Federation. She was awarded with the Golden badge of the Association of Kinesiologists of the Republic of Croatia and with the Golden plaque of the Croatian Synchronized Swimming Federation. She was the winner of the Plaque for cooperation of the University of the Philippines, College of Human Kinetics. She fluently speaks English and Slovenian, and passively German and Italian.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor, November 20, 2012
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Zaletel, P., Furjan-Mandić, G. i Zagorc M. (2009).Differences in heart rate and lactate levels at three different workloads in step aerobics. *Kinesiology* 41 (1), 97-104. 2. Kondrič, M., Sekulić, D. i Furjan-Mandić, G. (2010). Substance use and misuse among Slovenian table tennis players. Substance use nad misuse, 45 (4), 543-553 3. Furjan-Mandić, G., Kondrič, M., Tušak, M., Rausavljević, N. i Kondrič, L. (2010). Sports students' motivation for participating in table tennis at the Faculty of Kinesiology in Zagreb. *International journal of table*

		tennis sciences, 6, 52-55. 4. Kondrič, M., G.Furjan-Mandić, G. Munivrana, (2011). Sports students' motivation in table tennis course at the Faculty of sport in Ljubljana. *Gymnasium- Journal of Physical Education and Sport* , no. 1, vol. XII, str. 154-159. 5. Radaš, J., G. Furjan-Mandić, L. Ružić (2012). Razlike u tjelesnoj aktivnosti između muškaraca i žena oboljelih od diabetes mellitusa. Hrvat. Športskomed. Vjesn. 2012; 27: 24-27 6. Peric, M., N. Zenic ,G. Furjan-Mandić, D. Sekulić, D. Šajber (2012). The Reliability, Validity and Applicability of Two Sport-Specific Power Tests in Synchronized Swimming. *Journal of Human Kinetics vol.* 32/2012, 135-145. 7. Kondrič, M., J. Sindik, G. Furjan-Mandić, B. Schiefler (2013). Participation motivation and student's physical activity among sport students in three countries. *Journal of Sport Science and Medicine (2013), vol. 12* , str.10-18. 8. Furjan-Mandić, G., M. Perić, L. Krželj, S. Stanković and N. Zenic (2013). Sports Nutrition and Doping Factors in Synchronized Swimming: Parallel Analysis among Athletes and Coaches. *Journal of Sport Science and Medicine (2013), vol. 12 (4)* , str. 753-760.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. *Neuromuscular Biomechanical Diagnostics of Locomotion.* Ministry of Science, Education and Sports of the Republic of Croatia. (Nr. 034-004, as of October 22, 1996). Project leader professor Vladimir Medved, PhD. 2. *Automatized Measurement of Movement and Expert Evaluation in the Study of Locomotion* (Nr. 034-0362979-2334). Project leader professor Vladimir Medved, PhD.

Nr.	Title, last name, First name of the teacher	**Asst. Prof. Gaćina Petar, PhD, MD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Physical Activity in Tertiary Prevention of Chronic Diseases
3.	Home institution	University of Zagreb, School of Dentistry and University Hospital Centre "Sisters of Mercy"
4.	E-mail address	petar.gacina@zg.t-com.hr
5.	Biography	Doc. dr. sc. Petar Gaćina graduated from the School of Medicine, University in Zagreb in 1986 and at the same faculty he obtained his Master's and Doctoral degree in 2009. Completed his specialization in Internal Medicine in 1996 and subspecialised in Hematology in 2007. Head of the Hematology Department of Internal Medicine, University Hospital Centre "Sisters of Mercy" in Zagreb, a docent at the School of Dentistry, University of Zagreb. Vice president of the Croatian Society for Hemostasis and Thrombosis. An author and co-author of numerous articles and book chapters. The specific fields of his work are Hematology, Thromboembolism, as well as Congenital and Acquired Coagulation Disorders.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Assistant professor, 19.12.2011.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Vucelić V, Stančić V, Ledinsky M, Getaldić B, Sović D, Dodig J, Grbac L, Gaćina P, Rinčić G, Čaržavec D. Combined megaloblastic and immunohemolytic anemia associated - a case report. Acta Clin Croat 2008; 47:239-43. 2. Ljubičić N, Boban M, Gaćina P, Adžija J, Benceković Ž, Rajković A. Quality management: Patients reflections on health care at outpatient clinic of internal medicine department. Coll Antropol 33 (2009); 2:637-41. 3. Delić-Brkljačić D, Galešić K, Ivanac G, Manola Š, Pintarić H, Štambuk K, Gaćina P, Radeljić V. Influence of ATII blockers and calcium channel blockers on renal vascular resistance in patients with essential hypertension. Coll Antropol 33 (2009); 4:1129-38. 4. Čaržavec D, Gaćina P, Vasilj A, Kojić Katović S. Aplastic crisis induced by human parvovirus B19 as an initial presentation of hereditary spherocytosis. Coll Antropol 34 (2010);2:619-21. 5. Zekanović D, Ljubičić N, Boban M, Nikolić M, Delić Brkljačić D, Gaćina P, Klarin I, Turčinov J. Doppler ultrasound of hepatic and system hemodynamics in patients with alcholic liver cirrhosis. Dig Dis Sci 2010;55:458-66.

		6. Nikolić M, Mirošević G, Ljubičić N, Boban M, Supanc V, Pezo Nikolić B, Zjačić Rotkvić V, Bekavac Bešlin M, Gaćina P. Obesity treatment using a bioenterics intragastic balloon (BIB)- preliminary Croatian results. Obes Surg 2011;21:1305-10. 7. Nikolić M, Boban M, Ljubičić N, Supanc V, Mirošević G, Pezo Nikolić B, Krpan R, Posavec L, Zjačić Rotkvić V, Bekavac Bešlin M, Gaćina P. Morbidly obese are ghrelin and leptin hyporesponders with lesser intragastric ballon treatment efficiency: ghrelin changes in relation to obesity treatment. Obes Surg 2011;21:1597-604. 8. Nikolić M, Boban M, Ljubičić N, Supanc V, Mirošević G, Pezo Nikolić B, Zjačić Rotkvić V, Gaćina P, Mirković M, Bekavac Bešlin M. Position of intragastric balloons in global initiative for obesity treatment. Coll Antropol 35 (2011);4:1353-62. 9. Vasilj A, Katović SK, Maricević I, Zokvić E, Gaćina P. Mast cell leukemia - case report. Acta Med Croatica 2013;67(1): 61-4.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. New clinical approaches to chronic marrow and lumphoproliferations, Croatian Ministry of Science, Education and Sports.

Nr.	Title, last name, First name of the teacher	**Asst. Prof Greblo Zrinka, PhD**
1.	Leader of the course(s)	Psychological Aspects of Physical Activity
2.	Associate teacher in course(s)	Motivational Processes in Exercise and Sport Biological Mechanisms of Physical Activity Impacts on Chronic Disease Prevention
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	zrinka.greblo@kif.hr
5.	Biography	Zrinka Greblo was born on February 1st, 1980 in Pula where she finished primary school and a comprehensive secondary school. She finished an undergraduate study of psychology at the Department of Psychology at the Faculty of Humanities and Social Sciences, University of Zagreb in 2004. That same year she enrols in a postgraduate study of psychology. She successfully defended her master's thesis titled "The relationship between Parental Characteristics and Child-rearing Behaviours with Perfectionism of Adolescents" in 2008, and her doctoral dissertation titled "Perfectionism in Elite Athletes: The Role of Dispositional and Environmental Factors" in 2011. She actively participated in the realization of two international and four domestic scientific and research projects, and she published, as a single author or as a co-author, 15 scientific papers in the areas of Sports and Exercise Psychology, Developmental Psychology, Social Psychology and Personality Psychology. She participated in domestic and international conferences with 40 presentations, whereas in two conferences she participated as a guest lecturer. As a member of the Programme Committee she was also included in the organization of three international conferences. She was the winner of the *Scholarship of the City of Pula for Talented Students (1998-2002)*; *The Annual Award for Young Scientists and Artists* which is awarded by the Society of University Teachers, Scholars and Other Scientists in Zagreb (2011); *The Award for Young Researchers Miloš Mraković* at the 6th International Scientific Conference "Integrative Power of Kinesiology" (2011) and *The Award for Young Researchers* at the 5th International Scientific Conference on Kinesiology "Kinesiology - Research Trends and Applications" (2008). In addition to what was mentioned, she was a mentor for a student paper which was awarded with the Rector's Award (2013). As part of her postdoctoral professional improvement, in 2013, she spent three months at the Faculty of Sport, University of Ljubljana where she participated in the teaching process and in the realization of a scientific project

		titled "Perfectionism and Motivational Climate among Athletes".
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Research fellow, December 12, 2013¸ Asst. Prof. – 16.04.2014.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Jurakić, D., Pedišić, Ž., Greblo, Z. (2010). Physical activity in different domains and health-related quality of life: a population-based study. *Quality of life research. 19*(9), 1303-1309. (IF = 2,376) 2. Rakovac, M., Pedisic, Z., Pranic, S., Greblo, Z., Hodak, D. (2013) Sociodemographic and Lifestyle Correlates of Health-Related Quality of Life in Croatian University Students. *Applied Research in Quality of Life* 8, 493-509. (IF = 0.744) 3. Greblo, Z., Gruić, I., Ohnjec, K., Segedi, I., Pedišić, Ž. (2011) Konstrukcija upitnika za procjenu percipirane legitimnosti nesportskog ponašanja. *Društvena istraživanja: časopis za opća društvena pitanja, 3*(113), 771-792. (IF = 0.094) 4. Keresteš, G., Brković, I., Kuterovac Jagodić, G., Greblo, Z. (2012). Razvoj i validacija upitnika roditeljskog ponašanja. *Suvremena psihologija 15*(1), 23-42. (IF = 0.053) 5. Čišić, T., Greblo, Z. (2013). Percepcija legitimnosti nesportskog ponašanja kod studentica i studenata Kineziološkog fakulteta. *Napredak: časopis za pedagogijsku teoriju i praksu 154*(1-2), 167-184 6. Greblo, Z. (2012). Što se skriva iza pojma perfekcionizam? *Psihologijske teme, 21*(1), 195-212.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Project financed by the Ministry of Science, Education and Sports: "Guidelines for Optimal Development and Psychological Benefit of Adolescents" (2007 – 13) – project leader: professor Ingrid Brdar, PhD, Faculty of Philosophy, University of Rijeka. 2. Project by the University of Zagreb: "Quality of Life, Tendency Towards Risky Behaviour and Self-respect in Athlete and Non-athlete adolescents" (since 2013) – project leader: assistant professor Renata Barić, PhD, Faculty of Kinesiology, University of Zagreb 3. Independent projects: 4. "Perfectionism and Motivational Climate among Athletes" (since 2013) - project leader: assistant professor Saša Cecić Erpič, PhD, Faculty of Sport, University of Ljubljana, Slovenia; Zrinka Greblo, PhD, Faculty of Kinesiology, University of Zagreb 5. "Together for Better Health in Children and Adults" (2010 - 11) - project leader: Renata Kutnjak-Kiš, PhD, MD, Institute of Public Health of Međimurje County;

		Branislava Belović, MSc, MD, Institute of Public, Health Morska Sobota, Slovenia, Danijel Jurakić, PhD, Faculty of Kinesiology, University of Zagreb 6. "Physically Active Students" (2009 - 11) - project leader: Željko Pedišić, PhD, Faculty of Kinesiology, University of Zagreb 7. "Health-directed Physical Exercise in the General Population of the Republic of Croatia" (2007 - 09) - project leader: Danijel Jurakić, PhD, Faculty of Kinesiology, University of Zagreb

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Harasin Dražen, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course(s)	Research on Sport and Sport Activities
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	dharasin@kif.hr
5.	Biography	Dražen Harasin, born on July 25, 1968, Croat, citizen of the Republic of Croatia. He finished his primary and secondary school in Slavonski Brod. He was an active athlete in athletics in which he went through all the age competition categories as a thrower. As a member of the U-18 national team (1986) he competed in the shot put discipline for the junior U-18 selection. He enrolled in the Faculty of Physical Education in 1989 where he graduated in 1994 with his graduation thesis titled "Physical Conditioning of Members of the Special Police Unit". During the Croatian War of Independence he was a member of the Special Police Unit "Alfa" (1991-93) and a security agent at the Government Office of the Republic of Croatia in Belgrade (1995-96). After graduating at the Faculty of Kinesiology he shortly worked as a physical education teacher in a secondary school in Slavonski Brod (1994). As of the year 2000 he was employed as an external associate at the Faculty of Kinesiology, University of Zagreb in courses Athletics and Basic Kinesiological Transformations. He obtained his Master's degree in 2002 with the thesis titled "Analysis of Trends in the Development of Results in Athletics Throwing Disciplines at the Olympic Games", after which he was hired in a primary school in Slavonski Brod. He obtained his Doctor's degree in 2007 with his dissertation titled "Evaluation of Kinematic Parameters in the Rotational Shot Put Technique". He worked as an assistant in the course Athletics at the faculty of Kinesiology since 2003. He participated in scientific projects in the area of Biomechanics and Physical Conditioning of Athletes, and he published more than 60 scientific and professional papers as a single author or as a co-author. He was the assistant minister of science, education and sports, responsible for sports (2006-07). He was the president of the committee in charge of the production of the current Sports Law (2005-06). He was also one of the founders and the first president of the Croatian School Sports Association (2006-08). He is currently an assistant professor at the Faculty of Kinesiology, University of Zagreb, where he also fills the post of Vice Dean for Finance and Resource Planning. He is a member of the Committee for Supervision of Security and

		Intelligence Agencies of the Croatian Parliament.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Assistant professor, September 4th, 2009
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Harasin, D. Perković, M., Vidulin, N. (2013) Effects of two different training programs on the sit-up test in the seventh grade elementary school students. Hrvatski športsko-medicinski vjesnik. Vol. 27, Br. 2. (pp 84-88). 2. Sporiš, G., Harasin, D., Matika, D., Vuleta, D. and Bok, D. (2012). Effects of training program for special operations battalion on soldiers fitness characteristics. Journal of strength and conditioning research. 26(10), 2872- 2882. 3. Jovanović, M., Sporiš, G., Šopar, J., Harasin, D., Matika, D. (2012). The Effects of Basic Military Training on Shooting Tasks in Conditions of Sleep Deprivation. Kinesiology : international journal of fundamental and applied kinesiology. 44, 1; 169-177. 4. Sporiš, G., Jukić, I., Bok, D., Vuleta, D., Harasin, D. (2011). Impact Of Body Weight On Performace In Fitness Test Among Personnel Of The Croatian Navy. . Collegium antropologicum. 35 (2), 335-339. 5. Sporiš, G., Tomac, Z., Omrčen, D., Baić, M., Harasin, D. Motor Learning Without External Feedback When Testing Motor Coordination. Sport Science. 4 (2011) , 1; 84-88. 6. Harasin, D., Milanović, D., Čoh, M. (2010) 3D kinematics of the swing arm in the second double-support phase of rotational shot put– elite Vs sub-elite athletes. Kinesiology : international journal of fundamental and applied kinesiology. 42 (2010) , 2; 169-174. 7. Marković, G., Sekulić, D., Harasin, D., i Šimić, L. (2009) Gender differences in upper body explosive force production: Effects on maximal strenght and body size. Homo Sporticus, 11(1) 8-13. Fakultet sporta i tjelesnog odgoja, Sarajevo.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Scientific project financed by the Ministry of Science, Education and Sports: Programming Transformational Processes for the Development of Physical Conditioning Characteristics 2. Scientific project financed by the Ministry of Science, Education and Sports: Mechanical Muscle Function while Performing Ballistic Movements

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Hraski Željko, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course(s)	Biomechanics of Locomotion
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	zeljko.hraski@kif.hr
5.	Biography	Željko Hraski was born in Zagreb, March 18, 1961, where he attended the primary and secondary school. He is a Croat by nationality and a citizen of the Republic of Croatia. In 1984 he graduated at the Faculty of Physical Education in Zagreb. In 1991 he defended his Master's thesis titled "ANALYSIS OF CERTAIN KINEMATIC MEASUREMENTS IN VARIANTS OF BACKWARD FLIPS", which enabled him to acquire the title of Master of Social Sciences and Humanities in the field of Kinesiology. In March, 2000 he defended his doctoral dissertation titled "CONSTRUCTION AND EVALUATION OF THE BIOMECHANICAL MODEL OF THE BACKWARD SOMERSAULT", which enabled him to acquire the academic degree of Doctor of Social Sciences – scientific field of Educational Sciences – branch Kinesiology. He was an athlete since he was a young child. He was an active competitor and member of the national team in two sports, sports gymnastics and water jumping, in which he won a number of medals in domestic and international competitions. In the academic year 1985/86 he attended his specialisation in sports gymnastics at the Shanghai Institute of Physical Education in the People's Republic of China. During the years 1986 and 1987 he worked as an instructor at the Zagreb Gymnastics Federation, and in 1987 he was employed as a lecturer and director of the sports programme at the Tri-star Gymnastics, Kennewick, Washington, USA. In 1988 Željko Hraski was employed as an apprentice teacher at the Faculty of Physical Education in Zagreb, in 1991 as a research fellow at the Department of Kinesiology of Sports, and in 2001 as an assistant professor in the course Sports Gymnastics. As of the year 2008 he is the leader of the elective course Acrobatics at the university study of kinesiology. In 2008 he was appointed to the rank of research associate. In 1995 he was particularly involved in the formation of the Laboratory for sports kinematics at the Faculty of Physical Education in Zagreb, and he has significantly contributed to the affirmation of this laboratory both in the country and abroad. He actively participated in a number of domestic and

		international scientific conferences on sports gymnastics, and generally in conferences on kinesiology and its related sciences, especially biomechanics. He is the author of 47 scientific papers, the editor of one conference proceedings and the author of three book chapters. He also published 17 professional papers. He was an associate in several projects financed by the Ministry of Science, Education and Sports, and he is currently involved as a researcher and associate in the following projects: "Biomechanical Efficiency of Top Croatian Athletes" and "Kinesiological Education in Preschool and Primary Education" financed by the Ministry of Science, Education and Sports.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Assistant professor, 2001 Research associate, 2007
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Hraski, M., Hraski, Ž. (2010). Basic anthropometric characteristics of female alpine skiers in period 2006-2010. Croatian Sports Medicin Journal, 2010; 25; 81-86. 2. Rexepi, F., Hraski, Ž. (2010). A three-dimensional analysis of velocity of the centar of mass for judo throwing techniques Osoto Gari and Uchi Mata. Fizička kultura (Skopje), 2010; 38; 45-50. 3. Rexepi, F., Hraski, Ž. (2011). Osnovne biomehaničke karakteristike druge faze bacanja (Tskuri) judo nožne tehnike O Soto Gari. Sport Mont, časopis za sport fizičko vaspitanje i zdravlje. Br. 31.,32.,33./IX; 249-254. 4. Tomac, Z., Sporiš, G., Hraski Ž. (2012). The assessment of preschool children's motor skills after familiarization with motor tests. Journal of strength and conditioning research. 26 (2012) , 7; 1792-1800. 5. Lorger, M., Hraski, M., Hraski, Ž. (2012). The effects of motor learning on results of standing long jump performed by female students. Sport Science 5 (2012) 1:27-31. 6. Možnik, M., Hraski, Ž., Hraski, M. (2013). Height, weight and age of male top level gymnasts in year 2007 and 20011, Croatian Sports Medicin Journal, Vol.28 No.1, Str. 14-23.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. 034-0000000-2340, Biomechanical Efficiency of Top Croatian Athletes 2. 227-2271694-1696, Kinesiological Education in Preschool and Primary Education

Nr.	Title, last name, First name of the teacher	**Assoc. Prof., Idrizović Kemal, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course(s)	Assessment and Evaluation of Motor Abilities Assessment and Evaluation of Functional Abilities Development of Physical Conditioning Abilities
3.	Home institution	University of Montenegro, Faculty for Sport and Physical Education
4.	E-mail address	kemo@t-com.me
5.	Biography	Born on August 12, 1970 in Nikšić (Montenegro). He finished his primary school education in Nikšić, and his secondary school education in Sarajevo (Bosnia and Herzegovina). In the course of his primary and secondary education he was three times chosen as the pupil of the year, and he has also received the diploma "Luča". He finished the first three years of his study in the period between 1989 and 1992 at the Faculty of Physical Education and Sport in Sarajevo. He was the most successful student at the first year of study. On November 3rd, 1992 he acquired a degree of a physical education teacher at the Faculty of Philosophy in Nikšić, and on May 5, 1995 he acquired a degree of a classroom education teacher. He graduated on June 24, 1998 at the Faculty of Sport and Physical Education in Priština when he became a professor of physical education (graduation thesis: Specific Qualities of Nutrition for Young People on Camping Trips). He enrolled in a postgraduate study at the Faculty of Sport and Physical Education in Novi Sad (Serbia) in the academic year 1999/2000 which he graduated from as the best student of his generation on July 15, 2002 upon defending his master's thesis titled "Relations of Motor Skills and Morphological Characteristics with Sprinting Speed of Female Secondary School Pupils". On October 29, 2004 he defended his doctoral dissertation titled "Structure and Relations of Motor Skills and Morphological Characteristics with Speed and Explosive Strength of Pupils" at the same faculty. As of March 6, 2001 he is employed at the Faculty of Philosophy in Nikšić in the study programme of physical education (as of June 2008 the Faculty for Sport and Physical Education) as a scholarship student of the University of Montenegro. In June 2005 he was appointed to the rank of assistant professor at the University of Montenegro in courses Basics of Anthropometrics and Methodics of Anthropometrics, and in April 2010 he was appointed to the rank of associate professor in courses Basics of Anthropometrics, Methodics of Anthropometrics,

		Athletics 1 and Athletics 2.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Associate professor, April 29, 2010
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Ostojic, S.M., Idrizovic, K., Stojanovic, M.D. Nutrients. Sublingual nucleotides prolong run time to exhaustion in young physically active men. 2013 Nov 21;5(11):4776-85. doi: 10.3390/nu5114776. 2. Rodek, J., Idrizović, K., Zenić, N., Perasović, B., Kondric, M. Differential analysis of the doping behaviour templates in three types of sports. Coll Antropol. 2013 May;37 Suppl 2:211-7. 3. Gabrilo, G., Ostojic, M., Idrizovic, K., Novosel, B., Sekulic, D. A retrospective survey on injuries in Croatian football/soccer referees. BMC Musculoskelet Disord. 2013 Mar 11;14:88. doi: 10.1186/1471-2474-14-88. 4. Idrizovic, K., Raickovic, N. The correlation between aerobic power, acceleration, repeated-sprint and speed endurance in elite female football. Research in physical education sport and health , 2013, 2(2), 51-56. 5. Idrizović, K., Milošević, D., Pavlović, R. Physiological diferencess between top elite and elite waterpolo players. Sport Science, 2013, 6 (2), 59-65. 6. Idrizovic, K., Pavlovic, R., Vasiljevic, I., Pejovic, Z. The Relationship Between Functional Motor Capacities and Their Influence on the Specific Movements in Elite Cadet Female Soccer. Sports science and health, 2013, 3(2), 91-102.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Ultra short-term heart rate recovery in physically actives; Grant. No. 175037 (Serbian Ministry of Science) 2. Guanidinoacetate as a new additive in human nutrition; Grant. No. AN-85E-S09 (Alzchem Ag Germany)

Nr.	Title, last name, First name of the teacher	**Full Prof., Jukić Igor, PhD**
1.	Leader of the course(s)	Research on Sport and Sport Activities Research on Athlete Characteristics Assessment and Evaluation of Motor Abilities Assessment and Evaluation of Functional Abilities Development of Physical Conditioning Abilities
2.	Associate teacher in course(s)	Measuring Instruments in Experimental Kinesiology Research on Transformation Processes in Sport
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	ijukic@kif.hr
5.	Biography	- scientist and researcher identification number: 214373 - published scientific and professional papers (190) in the area of Kinesiology – 81 citations (SCI, SSCI) - presents lectures in scientific and professional conferences in the country and abroad (63) - active researcher in projects financed by the Ministry of Science, Education and Sports of the Republic of Croatia since 1995 up until today - project leader of the scientific and research project "Research of Human Resources and Potentials" and "Defining the Anthropological Status of Members of the Armed Forces of the Republic of Croatia" which are financed by the Ministry of Defence of the Republic of Croatia.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor, April 20, 2010
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Sporis, G., Jukić, I., Ostojić, S., Milanović, L. (2009). Fitness Profile of Elite Croatian Soccer Players. Journal of Strength and Conditioning Research (published ahead of print). 2. Sporiš, G., Jukić, I., Milanović, L., Vučetić, V. (2010). Reliability and Factorial Validity of Agility Tests for Soccer Players.. // *The Journal of Strength & Conditioning Research*. 24, 3; 679- 3. Ostojić, S.M., M. Stojanović, I.Jukić, E. Pašalić, M. Jourkesh (2009). The effects of six weeks of training on physical fitness and performance in teenage and mature top-level soccer players. Biology of Sport, Vol. 26, 4, pp. 379-387. 4. Sporis, G.(40%), Milanovic, L. (20%); Jukic, I.(20%); Omrcen, D.(20%); Sampedro Molinuevo, J. (2010). The Effect Of Agility Training On Athletic Power Performance. // *Kinesiology : international journal of fundamental and applied kinesiology*. 41 (2010) , 1; 65-72. 5. Sporis, G. , Vucetic, V., Jukic, I., Jovanović, M.;

		Omrčen, D. (2010). Reliability and Factorial Validity of Flexibility Tests for Soccer Players: Method Paper. //Journal of Strength and Conditioning Research (PAP). 6. Sporis, G., Vucetic, V., Jukic, I., Omrcen, D., Bok, D. and Čustonja, Z. (2011). How Reliable Are the Equations for Predicting Maximal Heart Rate Values in Military Personnel? *Military Medicine, 176*(3), 437-351. 7. Sporis, G., Jukic, I., Bok, D., Vuleta, D.J., and Harasin, D. (2011). Impact Of Body Weight On Performace In Fitness Test Among Personnel Of The Croation Navy. *Collegium Antropologicum, 2*, 335-339. 8. Senka Rendulić Slivar, Dušan Perić, Sergej M. Ostojić, Igor Jukić, Danijel Marošević (2011). Importance of Use of Viscosupplementation and Kinesitherapeuthical Program at Mild and Moderate Stage of Knee Osteoartritis. Journal of US-China Medical Science, Vol. 8 (Serial Number 76), pp. 186.193.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Project leader of scientific and research projects "Research of Human Resources and Potentials" and "Defining the Anthropological Status of Members of the Armed Forces of the Republic of Croatia" which are financed by the Ministry of Defence of the Republic of Croatia.

Nr.	Title, last name, First name of the teacher	**Jurakić Danijel, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course(s)	Kinesiology and Health Promotion Kinesiology in Tourism and Leisure Management and Evaluation of Kinesiological Recreation Programmes Complementary Programmes in Kinesiological Recreation
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	danijel.jurakic@kif.hr
5.	Biography	Danijel Jurakić was born on June 1st, 1979 in Slavonski Brod where he finished the first seven grades of his primary education (Primary school Ivana Brlić Mažuranić). He finished eighth grade at Primary school Davorin Trstenjak, as well as his secondary education (Secondary school 1. Gimnazija) in Zagreb. He enrolled in the Faculty of Kinesiology in 1997, and in 2002 he acquired the title of "Professor of Physical Education". Two years later he enrolled in a postgraduate doctoral study in the area of Educational Sciences, branch Kinesiology, at the Faculty of Kinesiology where he graduated with excellent grades (grade average of 5.0). Under the mentorship of professor Mirna Andrijašević, PhD, he defended his doctoral dissertation titled "Taxonomic Characteristics of Middle-aged Employees as a Basis for Producing Sports and Recreational Programmes" in 2009 at the Faculty of Kinesiology, University of Zagreb. As of May 2006 he was employed at the Faculty of Kinesiology, University of Zagreb as a junior researcher on the project "Evaluation of Sports in the Function of Winter Tourism Development in Croatia" and in the course Kinesiological Recreation. In that same course in 2009 he was appointed to the associate rank of a senior assistant in the area of Social Sciences, field of Educational Sciences, branch Kinesiology. Danijel Jurakić actively participated in the realization of two scientific and research projects financed by the Ministry of Science, Education and Sports. In addition, he was a project leader or an associate in 5 independent scientific and research projects. Both as a single author and as a co-author, he published 20 scientific papers, out of which seven were cited in the Web of Science database. His paper which was published in the journal Quality of Life Research (IF 2,376) particularly stands out, as it was cited 20 times in the Scopus database until today. He presented his papers in 15 domestic and international scientific and professional conferences. As a member of the Organizational and Programme Committees, he was involved in the organization of eight international and three domestic

		conferences. He was also a co-editor of 3 conference proceedings from international scientific and professional conferences and he is a reviewer at well-known international scientific journals. He was awarded with the Annual Award for Young Scientists and Artists which is given by the by the Society of University Teachers, Scholars and Other Scientists in Zagreb (2011); he is a co-author of a paper which was awarded with the Miloš Mraković Young Researcher Award at the 6th International Scientific Conference on Kinesiology "Integrative Power of Kinesiology" (2011). He is also a co-author of a paper which was awarded with the Young Researcher Award at the 5th International Scientific Conference on Kinesiology "Kinesiology - Research Trends and Applications" (2008) and the Best Scientific Paper Award at the Faculty of Kinesiology in the academic year 2012/13 (2013). Starting with the year 2005 he takes part in the teaching process at the integrated study of kinesiology in courses Kinesiological Recreation, Methodics of Kinesiological Recreation in Leisure and Programming in Kinesiological Recreation. As of 2010 he also participates in the teaching process at the postgraduate doctoral study of kinesiology in the following courses: Research in Kinesiological Recreation, Models of Kinesiological Programmes in Physical Recreation and Methods of Data Analysis. According to the results of the University survey, the teaching activities of Danijel Jurakić in the past years have been graded with grades between 4.81 and 4.95. In 2013 he was appointed to the research rank of a research associate.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Research associate, September 27, 2013
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Andrijašević, M., Ciliga, D. i Jurakić, D. (2009) Is Sports Recreation Important to University Students?. Collegium Antropologicum, 33 (1), 163-168. 2. Jurakić, D., Pedišić, Ž. i Andrijašević, M. (2009) Physical Activity of Croatian Population: Cross-sectional Study Using International Physical Activity Questionnaire. Croatian Medical Journal, 50 (2), 165-173. 3. Jurakić, D., Andrijašević, M. i Pedišić, Ž. (2010). Osnove strategije za unapređenje tjelesne aktivnosti i zdravlja zaposlenika srednje dobi s obzirom na obilježja radnog mjesta i sklonosti ka sportsko-rekreacijskim aktivnostima [Assessment of Workplace Characteristics and Physical ActivityPreferences as Integral Part of

		Physical Activity Promotion Strategies for Middle-aged Employees]. Sociologija i prostor, 48(1): 113-131. 4. Jurakić, D., Pedišić, Ž. i Greblo, Z. (2010) Physical activity in different domains and health-related quality of life: a population-based study. Quality of Life Research, Volume 19(9), 1303–1309. 5. Pedisic, Z., Jurakic D., Rakovac, M., Hodak, D., Dizdar, D. (2011) Reliability of the croatian long version of the international physical activity questionnaire. Kinesiology, 43(2), 185-191. 6. Jurakić, D., Heimer, S. (2012) Prevalencija nedovoljne tjelesne aktivnosti u Hrvatskoj i u svijetu: pregled istraživanja. Arhiv za higijenu rada i toksikologiju, 63(S3): 3-12. 7. Jurakić, D., Pedišić, Ž. (2012) Prevalence of Insufficient Physical Activity in Children and Adolescents: Review. Paediatria croatica, 56, 321-326. 8. Pedišić, Ž., Pranić, S., Jurakić, D., (2013) Relationship between back and neck pain and quality of life in the general population. Journal of Manipulative and Physiological Therapeutics, 5; 267-275.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. "Evaluation of Sports in the Function of Winter Tourism Development in Croatia " – project leader professor Mato Bartoluci, PhD, project number 0034201; 2. "Development Concept for Sports and Nautical Tourism in Croatia" – project leader professor Mato Bartoluci, PhD, project number 034-0672288-2606.

Nr.	Title, last name, First name of the teacher	**Assoc. Prof., Knjaz Damir, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course(s)	Research on Transformation Processes in Sport
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	damir.knjaz@kif.hr
5.	Biography	Personal information: PLACE AND DATE OF BIRTH: Zagreb, December 14, 1971 NATIONALITY: Croat Education: Graduate study: Faculty of Physical Education in Zagreb (1996) *Graduation thesis title: Analysis of Certain Indicators of Efficiency in a Top Quality Basketball Team* Postgraduate professional study of kinesiology of sports: Faculty of Physical Education in Zagreb (2000) *Master's thesis title: Passing in Basketball* Postgraduate scientific study of kinesiology: Faculty of Kinesiology in Zagreb (2002) Doctoral study: University of Zagreb, Faculty of Kinesiology (2005) *Doctoral dissertation title: Evaluation of Learning Methods in Basketball* Advancements: - junior researcher since 1998 in the scientific and research project financed by the Ministry of Science, Education and Sports, nr. 034102 "Mini Basketball" - junior assistant in the course BASKETBALL since 2001 at the Faculty of Physical Education, University of Zagreb - assistant in the course BASKETBALL since 2004 at the Faculty of Kinesiology, University of Zagreb - senior assistant in the course BASKETBALL since 2005 at the Faculty of Kinesiology, University of Zagreb - assistant to the professor in the course BASKETBALL since 2007 at the Faculty of Kinesiology, University of Zagreb - associate professor in the course BASKETBALL since 2011 at the Faculty of Kinesiology, University of Zagreb Teaching activities prior to the employment at the Faculty of Kinesiology, University of Zagreb: - between 1995 and 1997, a physical education teacher (with full working hours) at the Primary

		school "Matije Gupca" in Zagreb, where he carried out regular classes, an experimental programme of the Ministry of Science, Education and Sports and a programme in English
		
		Teaching activities at the University:
		- undergraduate and graduate university studies at the Faculty of Kinesiology, University of Zagreb; teacher in the course: BASKETBALL (according to student questionnaires for the evaluation of a teacher's work in a course he was graded as follows: 2009/10 - 4.77, 2010/11 - 4.89, 2011/12 - 4.69, 2012/13 - 4.59)
		- leader of the course BASKETBALL at the university study (programme in English)
		- leader of the course at the university study (specialisation BASKETBALL):
		  - History, rules and organization in basketball
		  - Planning and programming of trainings in basketball
		  - Training control in basketball
		- head of the Specialisation in BASKETBALL at the Coach Education and Training Department
		- leader of the course at the professional study (BASKETBALL):
		  - History, rules and organization in basketball
		  - Planning and programming of trainings in basketball
		  - Training control in basketball

6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Assoc. Prof 20.04.2011.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Knjaz, Damir; Matković, Branka; Janković, Saša. The value of different motor teaching methods in the work with basketball beginners. Croatian Journal of education. 15 (2013) , sp.ed. 4; 147-167 (članak, scientific). 2. Kreivytė, Rasa; Emeljanovas, Arunas; Sporiš, Goran; Knjaz, Damir; Vučković, Goran; Milanović, Zoran. Shooting Performance Did Not Change In Elite Women's National Basketball Teams From 1995 To 2011. Journal Annales Kinesiologiae. 4 (2013) , 1; 45-56 (članak, scientific). 3. Rupčić, Tomislav; Matković, Bojan; Knjaz, Damir; Baščevan, Saša; Rodić, Saša. Razlike u antropološkom profilu košarkaških sudija s obzirom na starosnu dob. SportLogia. 7 (2011) , 1; 27-33 (članak, scientific).

		4. Knjaz, Damir; Krtalić, Slaven; Matković, Branka. Ocjena interpersonalnog odnosa igrač – trener u košarci. Hrvatski športskomedicinski vjesnik. 25 (2010) , 2; 102-110 (članak, scientific). 5. Rupčić, Tomislav; Matković, Bojan; Knjaz, Damir. Antropološki profil košarkaških sudaca. Hrvatski športskomedicinski vjesnik. 25 (2010.) 1; 16-22 (članak, scientific).
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	

Nr.	Title, last name, First name of the teacher	**Full Prof., Leko Goran, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course(s)	Research on Athlete Characteristics Physiological Limits of Human Performance
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	gleko@kif.hr
5.	Biography	Goran Leko was born on September 22, 1959in Sarajevo, he is a citizen of the Republic of Croatia and Croat by nationality. He has active use of English. He finished a secondary vocational school in 1978 in Zagreb, and in 1979 he enrols in the Faculty of Physical Education in Zagreb. He graduated in 1986 with an excellent grade. He enrolled in a postgraduate study in 1989 and he obtained his Master's degree in 1994 with a master's thesis titled "Method of Indirect Evaluation of the Anaerobic Threshold". As of 1989 he is employed as an assistant at the Faculty of Physical Education, University of Zagreb in the course Swimming. Up until that point he worked as a professional mentor at the Zagreb Swimming School. In 2001 he defended his doctoral dissertation titled "Definition of Relations Between Motor Skills and Anthropometric Characteristics of Swimmers". In 2003 he was appointed to the rank of assistant professor in the course Swimming at the Faculty of Kinesiology, University of Zagreb. In the period between 1995 and 2004 he was the president of the Zagreb Swimming Association. He is also the president of the Expert Technical Committee at the Croatian Academic Swimming Club "Mladost". He has been in charge of sports diagnostics for the Croatian swimming team for a long number of years, and in the period between 1998 and 2002 he was the coordinator of the Sports Diagnostics Centre at the Faculty of Kinesiology, University of Zagreb. He is one of the founders of the swimming club "KNIFA" at the Faculty of Kinesiology. During all this time he is active in the teaching process both in the regular and elective study programme, as well as in the teaching process in the associate-degree study. The committee responsible for the area of Social Sciences – field of Educational Sciences, reached the decision on appointing Goran Leko, PhD, to the research rank of research associate on November 23, 2007. The Committee of the Social and Humanities Area confirmed the appointment of Goran Leko to the research-and-teaching rank of associate professor at the Faculty of Kinesiology, University of Zagreb on December 17, 2008. He currently fills the post of deputy head of the Department of

		Kinesiology of Sports, Chair of Water Sports at the Faculty of Kinesiology, University of Zagreb. He is the project leader of the scientific project titled "Training Level and Illness/Injury Incidence in Swimmers".
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor, January 30, 2014
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Tiozzo, E., Leko, G., Ružić, L. (2009). Swimming bodysuit in all-out and constant-pace trials. Biology of sport, 26:149-156. (Indeksirano: SCI) 2. Šiljeg, K., Zoretić, D., Leko,G. (2009). Differences between youth swimmers with regard to some anthropometric characteristics anr motor abilities. Croatian Sports Medicine Journal 24(2). 113-118. (Indeksirano: CAB Abstracts). 3. Zoretić, D., Leko,G., Grčić – Zubčević,N. (2010).The influence of specific functional-motor abilities on freestyle swimming performance time. Acta Kinesiologica 42:69-72. (Indeksirano: INDEX COPERNICUS) 4. Leko,G., Šiljeg, K. Zoretić, D. (2011).Promjene odnosa antropometrijskih i motoričkih karakteristika unutar 6-mjesečnog perioda kod plivača adolescenata. Hrvatsko sportskomedicinski vjesnik. 26: 33-38. (Indeksirano: CAB Abstracts). 5. Leko, G., Šiljeg, K., Mikulić, P. (2011). Somatotip plivača. Hrvatsko sportskomedicinski vjesnik. 26: 83-87. (Indeksirano: CAB Abstracts). 6. Šiljeg, K., Leko, G., Mikulić, P. (2011). Situational success in 100-m backstroke event at the 2004 and 2008 European swimming championship. Sport Science 4 (2011) 2:28-31. (Indeksirano: CAB Abstracts).
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. "Training Level and Illness/Injury Incidence in Swimmers". (number 034-0342282-2401)

Nr.	Title, last name, First name of the teacher	**Assoc. Prof., Marković Goran, PhD**
1.	Leader of the course(s)	Human Movement Control – Neurophysiological Aspects Selected Biomechanics and Motor Control Chapters Scientific Writing, Publishing and Evaluation (workshop)
2.	Associate teacher in course(s)	Measuring Instruments in Experimental Kinesiology
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	gmarkov@kif.hr
5.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Associate professor, April 1st, 2009
6.	Biography	Croat, citizen of the Republic of Croatia, born on April 9, 1975 in Virovitica. He finished primary school and a mathematics programme secondary school in Virovitica. He graduated at the Faculty of Physical Education, that is at the Faculty of Kinesiology, University of Zagreb in 1999, he obtained his Master's degree in 2002 and his Doctor's degree in 2004. In the academic year 2006/07 he completed his postdoctoral professional improvement in the area of Neurophysiology and Motor Control at the University of Delaware (USA) under the mentorship of professor Slobodan Jarić, PhD and with the support of the National Foundation for Science, Higher Education and Technological Development of the Republic of Croatia. He teaches in the integrated graduate university study ("Basic Kinesiological Transformations" and specialisation courses as part of the elective module "Fitness Training") and the postgraduate doctoral study ("Genetic and Neural Factors in Muscular and Skeletal System Adaptation" and "Programming Transformational Processes") at the Faculty of Kinesiology, University of Zagreb. He is a visiting professor in the graduate and postgraduate study at the Faculty of Kinesiology, University of Split and the Faculty of Sport and Physical Education, University of Sarajevo. He performed numerous professional duties at the Faculty of Kinesiology: head of the Chair of Basic Kinesiological Transformations (2007-09), founder and head of the Laboratory of Motor Control and Performance (2010-today), Vice Dean and president of the Committee for Scientific Research and Ethics (2009-2011), head of the Institute of Kinesiology (2009-11) and president of the Committee for Publication Activities (2009-11). Up until today he has published 50 scientific papers, both as a single author and as a co-author, in highly regarded international scientific journals which are indexed in internationally acknowledged databases. He is a co-author of one book and one manual in Croatian, as well as three

		chapters in scientific monographies at the invitation of foreign publishers. He was a guest lecturer in well-known international and domestic scientific gatherings – he presented his papers in over 25 international scientific conferences. Up until now, he was the project leader in four scientific projects/programmes which were financed by the National Foundation for Science, Higher Education and Technological Development of the Republic of Croatia, The Ministry of Science, Education and Sports and the Unity Through Knowledge Fund. He is a co-author of one patent and a reviewer of papers in over 20 respectable international scientific journals. He is also the mentor of three doctoral dissertations. He was awarded with numerous awards and acknowledgements, including the Annual Award of the Society of University Teachers, Scholars and Other Scientists (2002), the Best Junior Researcher Award at the Faculty of Kinesiology (2003 and 2004), the National Science Award in 2004 in the category of junior researchers and the National Science Award in 2011.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Jarić, S., Marković, G. (2009). Leg muscles design: The maximum dynamic output hypothesis. *Medicine and Science in Sports and Exercise*, 41 (4): 780-787. 2. Šarabon, N., Mlaker, B., Marković, G. (2010). A novel tool for the assessment of dynamic balance in healthy individuals. *Gait and Posture*, 31 (2): 261-264. 3. Marković, G., Mikulić, P. (2010). Neuro-musculoskeletal and performance adaptations to lower-extremity plyometric training. *Sports Medicine*, 40 (10): 859-895. 4. Rošker, J., Marković, G., Šarabon, N. (2011). Effects of vertical center of mass redistribution on body sway parameters during quiet standing. *Gait and Posture*, 33 (3): 452-456. 5. Markovic, G., Vuk, S., Jaric, S. (2011). Effects of jump training with negative positive versus positive loading on jumping mechanics. *International Journal of Sports Medicine*, 32(5): 365-372. 6. Vuk, S., Marković, G., Jarić, S. External loading and maximum dynamic output in vertical jumping: the role of training history. *Human Movement Science*, 2011, 31(1):139-151. 7. Fonda, B., Panjan, A., Marković, G., Šarabon, N. (2011). Adjusted saddle position counteracts the modified muscle activation patterns in uphill cycling. *Journal of Electromyography and Kinesiology*, 21(5):854-860. 8. Šarabon, N., Fonda, B., Marković, G. (2011). Change of

		muscle activation patterns in uphill cycling of varying slope. *European Journal of Applied Physiology*, 112(7): 2615-2623. 9. Šimić, L., Šarabon, N., Marković, G. (2013). Does pre-exercise static stretching inhibit maximal muscular performance? A meta-analytical review. *Scandinavian Journal of Medicine and Science in Sports*, 23: 131-148. 10. Šarabon, N., Marković, G., Mikulić, P., Latash, M.L. (2013). Bilateral synergies in foot force production tasks. *Experimental Brain Research*, 227(1): 121-130.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. 2006-07 *Mechanical Muscle Function during Explosive Movements*. Scientific project financed by the National Foundation for Science, Higher Education and Technological Development of the Republic of Croatia as part of the "Post-Doc" programme. 2. 2007-11 *Mechanical Muscle Function while Performing Ballistic Movements*. Scientific project financed by the Ministry of Science, Education and Sports. 3. 2007-11 *Anthropological Determinants of Athlete Success Rate in Sports Games*. Scientific project financed by the Ministry of Science, Education and Sports, consisting of 4 related scientific projects. 4. 2008-10 *Evaluation of the Muscular System Function: External Loading and Mechanical Output.* Scientific project financed by the Unity Through Knowledge Fund (World Bank and Ministry of Science, Education and Sports).

Nr.	Title, last name, First name of the teacher	**Full Prof., Marušić Miljenko, PhD**
1.	Leader of the course(s)	Statistical Methods in Kinesiology
2.	Associate teacher in course(s)	
3.	Home institution	University of Zagreb, Faculty of Science – Department of Mathematics
4.	E-mail address	miljenko.marusic@math.hr
5.	Biography	EDUCATION 1983-87 Mathematics study, specialisation Mathematical informatics and statistics engineer, Faculty of Science, University of Zagreb, Croatia 1992 Master's degree in Mathematics, Faculty of Science – Department of Mathematics, University of Zagreb, Croatia 1995 Doctor's degree in Mathematics, Faculty of Science – Department of Mathematics, University of Zagreb, Croatia WORKING EXPERIENCE 1987 – today: Faculty of Science – Department of Mathematics, University of Zagreb, Croatia Rank: Full professor (since 2013) Associate professor (2000-13) Assistant professor (1995-2000) Duties: 1998-2000 – Vice Dean for Education at the Faculty of Science – Department of Mathematics 2000-02 – Dean at the Faculty of Science – Department of Mathematics 2003-05 Head of the Department of Numerical Mathematics and Computer Science June to September 2008 – acting Dean at the Faculty of Science – Department of Mathematics 2008-10 – Dean at the Faculty of Science – Department of Mathematics October 2010, acting head of the Department of Mathematics at the Faculty of Science 2011- 13 Head of the Department of Numerical Mathematics and Computer Science

		VISITS 1990 – 93 Mayo Clinic and Foundation, Rochester, MN, USA, visiting scientist– mathematical modelling in medicine February 3-24, 1996 Mayo Clinic and Foundation, Rochester, MN, USA MEMBERSHIP IN PROFESSIONAL BODIES Croatian Mathematical Society 2003-06 vice president 2006-07 president Croatian Society for Theoretical and Mathematical Biology 2000-04 member of the presiding Committee 2002-04 vice president Ministry of Science, Education and Sports member of the Evaluation Committee for informatics textbooks University of Zagreb 2010-213 member of the Committee for Natural Sciences 2010- 13 member of the committee for determining the criteria and the confirmation of appointment to a rank as part of the Committee for Natural Sciences PERSONAL INFORMATION Date of birth: October 4th, 1963 Marital status: married, father of one child Languages: Croatian and English
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor, July 11, 2013
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. J. Lajtner, A. Lucić, M. Marušić, R. Erben, "The effects of the trematode *Bucephalus polymorphus* on the reproductive cycle of the zebra mussel *Dreissena polymorpha* in the Drava River", Acta Parasitologica, 53 (2008) 85-92. 2. M. Marušić,, D. Marković, D. Jukić, "Least squares fitting the three-parameter inverse Weibull density", Mathematical Communications, 15 (2010) 539-553. 3. I. Čuković-Bagić, J. Dumančić, E. Nuzzolese, M. Marušić, M.M. Lepore, "Oral Health Awwareness in Croatian and Italian Urban Adolescents", Coll. Antropol., 36 (2012) 221-226. 4. Marušić, Z., Marušić, M. Revizija podataka i ocjena kvalitete rezultata istraživanja TADS u 2010. godine.

		Znanstvena studija. Institut za turizam, 2011. 5. Marušić, Z., Ivandić, N., Marušić, M., Čorak, S. Turistička aktivnost stanovništva RH u 2012. Znanstvena studija. Institut za turizam, 2013.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. 2006-13 Deterministic and Probabilistic Models in Biology (Ministry of Science, Education and Sports) – Project leader.

Nr.	Title, last name, First name of the teacher	**Full Prof., Matković Branka, PhD**
1.	Leader of the course(s)	Objective Indicators of Exercise Induced Muscle Damage, Fatigue and Overtraining
2.	Associate teacher in course(s)	Measuring Instruments in Experimental Kinesiology Variability in Physical Activity-Related Biological Properties Physiological Limits of Human Performance
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	bmatkovic@kif.hr
6.	Biography	Branka Matković, maiden name Jeričević, born on May 30, 1953 in Borovo. Croat by nationality and a citizen of the Republic of Croatia. She finished her primary education and a secondary comprehensive school in Zagreb with excellent grades. In 1971 she enrolled in the School of Medicine in Zagreb, which she graduated from in 1977. She completed her obligatory medical internship at the Clinical Medical Centre Sestre Milosrdnice in Zagreb. She passed her licensing exam on April 25, 1979 at the Republic Committee for Health and Social Care in Zagreb. In 1978 she enrolled in the postgraduate study in Sports Medicine at the School of Medicine in Zagreb. She passed her degree examination at the postgraduate study in 1981. In September 1983 she finished her master's dissertation titled "Normative Values of the Aerobic Capacity and Respiratory System Functions in Pupils Over the Age of 15", which she successfully defended on December 5, 1983 in front of a commission consisting of professor Radovan Medved, MD (president), assistant professor Stjepan Heimer, MD (member) and professor Živka Prebeg, MD (member). She defended her doctoral dissertation titled "Relations Between the Aerobic Capacity and Morphological Characteristics in Children" on December 19, 1990 in front of a commission consisting of professor Eugenija Žuškin, MD (president), professor Željka Banovac-Reiner, MD, professor Radovan Medved, MD, professor Silvije Vuletić, MD and professor Živka Prebeg, MD. As of July 1st, 1979 she works at the Faculty of Physical Education, University of Zagreb as an apprentice teacher in the Chair of Kinesiological Physiology and Pathology, and she participates in the realization of practical classes in Kinesiological Physiology, Sports Medicine and Biological Anthropology. She was an assistant in the course Kinesiological Physiology since October 1st, 1980, and she carried out practical classes in the full-time study at the Faculty of Physical Education, as well as in postgraduate studies in Occupational Medicine and Sports Medicine at

		the School of Medicine in Zagreb and in the postgraduate study at the Faculty of Forestry in Zagreb. In the year 2000 she was the leader of the course Physiology of Sport and Exercise (earlier Kinesiological Physiology) which was part of both full-time and part-time studies, as of 2001 she was also the leader of the course Sports Diagnostics in the doctoral study at the Faculty of Kinesiology, and in 2008 she also became the leader of the elective course Physiology of Sports in Extreme Conditions. She also participates in the teaching process which is part of the elective course Sports Medicine at the School of Medicine in Zagreb, and in the teaching process in postgraduate specialist studies at the afore mentioned faculty (Physical Medicine and Rehabilitation, Occupational and Sports Medicine). On November 3rd, 1992 she was appointed to the research rank of research fellow for the scientific area of Medicine, and in 2003 to the rank of research associate. In February 1997 she was appointed to the rank of assistant professor in the course Kinesiological Physiology, and on May 1st, 2003 to the rank of associate professor, whereas on October 20, 2009 she was appointed to the rank of full professor in that same course. In the period between 1997 and 2001 she filled the post of deputy head of the Department of Kinesiological Anthropology, as well as the post of Vice Dean for Scientific Research during two terms of office since October 1st, 2001 at the Faculty of Kinesiology, University of Zagreb. She was also the head of the Chair of Kinesiological Anthropology and Methodology during two terms of office since October 1st, 2005 at the Faculty of Kinesiology. Since 2009 she is the head of the Chair of Medicine of Sports and Exercise. She has an active knowledge in spoken English.
5.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Tenured full professor, October 20, 2009
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Petrić, Vilko; Novak, Dario; Matković, Branka; Podnar Hrvoje. Differences in the physical activity level of adolescent female students. // Croatian Journal of Education. 14 (2012) , 2; 275-291 2. Kondrič, Miran; Matković, Branka; Furjan-Mandić, Gordana; Hadžić, Vedran; Dervišević, Edvin. Injuries in Racket Sports among Slovenian Players. // Collegium Antropologicum. 35 (2011) , 2; 413-417. 3. Sporiš, Goran; Jovanović, Mario; Omrčen, Darija; Matković, Branka. Can the official soccer game be considered the most important contribution to player's physical fitness level?. // Journal of sports medicine and

		physical fitness. 51 (2011) , 3; 374-380 4. Kasović, Mario; Mejovšek, Mladen; Matković, Branka; Janković, Saša; Tudor, Anton. Electromyographic analysis of the knee using fixed activation threshold after anterior cruciate ligament reconstruction. // International orthopaedics. 35 (2010) , 5; 681-687 5. Mikulić, Pavle: Smoljanović, Tomislav; Bojanić, Ivan; Hannafin, Jo A; Matković, Branka R. 6. Relationship between 2000-m rowing ergometer performance times and World Rowing Championships rankings in elite-standard rowers. // Journal of sports sciences. 27 (2009) , 9; 907-913.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Project leader; "Knowledge in Diet and Nutritional Habits of Athletes" which was a part of the programme titled Health Aspects of Physical Exercise. 2. Member of the research team in the project titled "Influence of Physical Exercise Level in Prevention of Chronic Cardiovascular Diseases".

Nr.	Title, last name, First name of the teacher	**Full Prof., Medved Vladimir, PhD**
1.	Leader of the course(s)	Selected Biomechanics and Motor Control Chapters Biomechanics of Locomotion
2.	Associate teacher in course(s)	Measuring Instruments in Experimental Kinesiology
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	vladimir.medved@kif.hr
5.	Biography	Vladimir Medved was born in Zagreb in 1951. He graduated, obtained his Master's and Doctoral degrees in the field of Electrotechnics at the University of Zagreb, Faculty of Electrical Engineering and Computing in 1974, 1977 and 1988. In the period between 1977 and 1982 he worked at the Institute for Electronics, Telecommunications and Automatization Zagreb. As of 1982 he is employed at the Faculty of Kinesiology, University of Zagreb, where he was appointed to the rank of a tenured full professor in 2008. He filled the posts of head of the Chair of General and Applied Kinesiology (2004-10), head of the Department of General and Applied Kinesiology (2009-11) and Vice Dean for Science (2011-13). The areas of his interest are Biomedical Engineering, Biomechanics, Kinesiological Electromyography, Biomedical Signal Analysis and Evaluation and the study of Human Locomotion. He participates in the teaching process at the Faculty of Electrical Engineering and Computing and at the School of Medicine in the English study. In the academic year 1979/80 he spent time at Harvard University and the Massachusetts Institute of Technology in Boston by means of the Baloković Scholarship, and again in the academic year 1990/91 at Harvard University through the use of the Fulbright Scholarship. He was the project leader of many projects financed by the Ministry of Science, Education and Sports of the Republic of Croatia, the last one being "Automatic Movement Measurement and Expert Evaluation in the Study of Locomotion" (2007-13). During the years 2006 and 2007 he was the project leader of a bilateral project which was realized between Croatia and Austria. He equipped the Laboratory of Biomechanics of Human Motion so that it meets high standards. He published some 50 papers in scientific journals, some 100 papers in conference proceedings, a number of chapters in books as well as the book "Measurement of Human Locomotion", CRC Press (2001). He is one of the editors of the journal "Kinesiology". In 2009 he was a guest editor in the journal "Clinical Biomechanics". During the academic year 2009/10 he was a visiting professor at the University of

		Salerno in Italy where he assisted in the development of a new Laboratory of Human Motion. Professor Medved is a member of the Croatian Medical and Biological Engineering Society (CROMBES) and the International Federation for Medical and Biological Engineering (IFMBE). He is also a member of the Croatian Academy of Engineering (HATZ) since 1998, where he is a regular member at the Department of Systems and Cybernetics since 2012. During the years 2006 and 2007 he was the administrative secretary general, and as of 2013 he fills the post of vice president of the Croatian Academy of Engineering. He was awarded with the City of Zagreb Award in 2011 in the category of Science. He was also awarded with the Annual Award "Rikard Podhorsky" in 2011 by the Croatian Academy of Engineering.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Tenured full professor, August 15, 2008
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Cifrek, Mario; Medved, V; Tonković, Stanko; Ostojić, Saša: Surface EMG based muscle fatigue evaluation in biomechanics. Clinical Biomechanics, vol. 24, no. 4, 327-340, 2009. (uz pripadni „Editorial": Medved V: Surface EMG application in clinical biomechanics. Clinical Biomechanics, vol. 24, no. 2, 121, 2009.) 2. Pribanić T, Peharec S, Medved V: A comparison between 2D plate calibration and wand calibration for 3D kinematic systems. Kinesiology, vol. 41, no. 2, 147-155, 2009. 3. Kovač, Ida; Medved, Vladimir; Ostojić, Ljerka. Ground Reaction Force Analysis in Traumatic Transtibial Amputees' Gait. // Collegium antropologicum. 33 (2009) , S2; 107-113 4. Kovač I, Medved V, Kasović M, Heimer Ž, Lužar-Stiffler V, Pećina M: Instrumented joint mobility analysis in traumatic transtibial amputee patients. Periodicum biologorum, 112 (2010) , 1; 25-31 5. Kovač, Ida; Medved, Vladimir; Ostojić, Ljerka. Spatial, temporal and kinematic characteristics of traumatic transtibial amputee's gait. // Collegium Antropologicum. 34 (2010) , 1; 205-213 6. Srhoj-Egerker V, Cifrek M, Medved V: The application of Hilbert-Huang transform in the analysis of muscle fatigue during cyclic dynamic contractions. Medical and Biological Engineering and Computing, vol. 49, no. 6, 659-669, 2011. 7. Havaš, Ladislav; Skočir, Zoran; Medved, Vladimir. Modelling of the athlete's training decision support. // Tehnički vjesnik - Technical Gazette: znanstveno-stručni

		časopis tehničkih fakulteta Sveučilišta u Osijeku. 20 (2013) , 2; 315-322
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. "Automatic Movement Measurement and Expert Evaluation in the Study of Locomotion", Ministry of Science, Education and Sports (2007-13), project leader 2. "Measuring and Characterization of Real World Data", Ministry of Science, Education and Sports (2007-13), associate 3. "Centre of Excellence for Computer Vision", University of Zagreb (2012), associate 4. "Pedobarographic Characteristics of Human Locomotion in Sports and Medicine", University of Zagreb, (2013-14), project leader

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Mikulić Pavle, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course(s)	Human Movement Control – Neurophysiological Aspects Physiological Limits of Human Performance
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	pavle.mikulic@kif.hr
5.	Biography	He enrolled in the Faculty of Physical Education (Faculty of Kinesiology) in 1996, and he graduated in 2001. That same year he enrolled in the postgraduate study for scientific improvement in kinesiology at Faculty of Physical Education where he obtained his Master's degree in 2004. He defended his doctoral dissertation in 2006. He completed his postdoctoral professional improvement in the academic year 2009/10 at the Motor Control Laboratory in the Department of Kinesiology at the Pennsylvania State University. He published 21 papers, as a single author or as a co-author, in journals which are indexed in the Current Contents (CC) and/or the Web of Science (WoS) databases. His papers were cited 87 times (WoS). He is a co-author of a chapter which was published in an international scientific book. He was the project leader of "Feed-forward Changes in Multi-muscle Synergies in Postural Tasks", a project whose realization at the Pennsylvania State University was financed by the National Foundation for Science, Higher Education and Technological Development of the Republic of Croatia. He received numerous acknowledgements for his scientific activities: Best Junior Researcher at the Faculty of Kinesiology (2007, 2008, 2009, 2011, 2012), Annual Award of the Society of University Teachers, Scholars and Other Scientists in Zagreb (2008), winner of the scholarship for the postdoctoral professional improvement in USA (2009) by the National Foundation for Science, Higher Education and Technological Development of the Republic of Croatia. At the invitation of numerous editorial boards he reviewed papers for some of the most highly-regarded journals in the area of Sports Sciences (Journal of Sport Sciences, Sports Medicine, Medicine and Science in Sports and Exercise, European Journal of Sports Science, International Journal of Sports Physiology and Performance, Kinesiology, International Journal of Sports Medicine).
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Assistant professor, June 19, 2013
7.	List of publications in the last five years which qualify the course leader for	1. Sarabon, N., Markovic, G., Mikulic, P., Latash, M.L. (2013). Bilateral sinergies in foot force production tasks. *Experimental Brain Research* 227(1), 121-130.

	implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	2. Mikulic, P., Blazina, T., Nevill, A.M., Markovic, G. (2012). Modeling longitudinal changes in maximal-intensity exercise performance in young rowing athletes. *Pediatric Exercise Science*, 24, 187-198. 3. Orepic, P., Mikulic, P., Soric, M., Ruzic, L., Markovic, G. (2012). Acute physiological responses to recreational in-line skating in young adults. *European Journal of Sport Science* [Epub ahead of print] 4. Klous, M., Mikulic, P., Latash, M.L. (2012). Early postural adjustments in preparation to whole-body voluntary sway. *Journalof Electromyography and Kinesiology*, 22, 110-116. 5. Soric, M., Mikulic, P., Misigoj-Durakovic, M., Ruzic, L., Markovic, G. (2011). Validation of the Sensewear Armband during recreational in-line skating. *European Journal of Applied Physiology*, 112(3), 1183-1188. 6. Klous, M., Mikulic, P., Latash, M.L. (2011). Two aspects of feed-forward postural control: Anticipatory postural adjustments and anticipatory synergy adjustments. *Journal of Neurophysiology*, 105, 2275-2288. 7. Mikulic, P., Markovic, G. (2011). Age- and Gender-Associated Variation in Maximal-Intensity Exercise Performance in Adolescent Rowers. *International Journal of Sports Medicine*, 32, 373-378. 8. Mikulic, P. (2011). Maturation to elite status: a six-year physiological case study of a world champion rowing crew. *European Journal of Applied Physiology*, 111(9), 2363-2368. 9. Mikulic, P. (2011). Development of aerobic and anaerobic power in adolescent rowers: a 5-year follow-up study. *Scandinavian Journal of Medicine and Science in Spo*rts, 21, e143-e149. 10. Markovic, G., Mikulic, P. (2010). Neuro-musculoskeletal and performance adaptations to lower-extremity plyometric training. *Sports Medicine*, 40(10), 859-895.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Project leader of the project financed by the Croatian Science Foundation titled *Feed-forward Changes in Multi-muscle Synergies in Postural Tasks* – realized in the academic year 2009/10 at the *Pennsylvania State University* (University Park, PA, USA).

Nr.	Title, last name, First name of the teacher	**Full Prof., Milanović Dragan, PhD**
1.	Leader of the course(s)	Applied Kinesiology Research Research on Transformation Processes in Sport Research on Sport and Sport Activities Prevention of Injuries in Children and Young Athletes
2.	Associate teacher in course(s)	Research on Athlete Characteristics
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	dragan.milanovic@kif.hr
5.	Biography	Dragan Milanović was born in 1948 in Slavonski Brod. He graduated at the Faculty of Physical Education, University of Zagreb in 1972, he obtained his Master's degree in 1976, and the title of Doctor of Social Sciences and Humanities in the field of Kinesiology in 1984. He teaches the course Athletics at the Faculty of Physical Education since 1972, and as of 1985 he also teaches the course Theory of Training. He was appointed to the rank of a tenured full professor in 2000. He teaches as a visiting professor in studies for scientific improvement. In the period between 1989 and 1993 he was the Vice Dean for Science and Education, and in the period between 1993 and 1997 he was the Dean at the Faculty of Physical Education, University of Zagreb. He was also the Vice Chancellor for Education and Student Affairs at the University of Zagreb between 1998 and 2002, whereas between 2003 and 2007 he was the Chancellor and Dean at the Polytechnics of Social Sciences in Zagreb. Up until today he published more than 140 scientific papers in which he analysed the following: physical exercise characteristics as well as the efficiency, features and motor skills of athletes, and especially transformational processes and training effects in sports. Over the last 30 years he was the project leader in numerous scientific projects. He presented papers in many domestic and international conferences in which he popularized scientific research and kinesiology as a science. He wrote 9 textbooks or manuals, and published 18 editorial books for the courses Athletics, Physical Conditioning of Athletes and Training Theory. He is the editor in chief of the international scientific journal "Kinesiology" since 1990 until today, and the initiator and manager of six International Scientific Conferences on Kinesiology. He is a member of editorial boards in several international scientific journals. He published over 140 professional papers in journals and conference proceedings until today. Numerous realizations in various areas of physical conditioning are results of his scientific activities.

		In the period between 1972 up until today he was hired as a member of professional teams in a number of national teams or clubs which have had enviable results in domestic and international competitions. He worked as a physical conditioning coach in various basketball clubs or national teams in the former Yugoslavia, Croatia, Germany, Greece, Turkey and Japan. He also participated in the professional activities of the Croatian Olympic Committee and the Zagreb Sports Association. He is a member of a number of international professional associations in the field of kinesiology and sports. He was the vice president of the International Association of Specialized Kinesiologists (IASK). In 2000 he obtained the title of honorary Doctor of Science at the University of Physical Education and Sport in Kiev (Ukraine). He was a member of the Committee for Education at the Ministry of Science, Education and Sports of the Republic of Croatia and the Croatian representative at the UNESCO Intergovernmental Committee for Physical Education and Sport (CIGEPS). Today he is a member of the National Committee for Sport. Since the year 2000 he is a member of the Croatian Academy of Educational Sciences, whereas between 2009 and 2013 he was the president of the mentioned academy. Among all the acknowledgements and awards which he received for his work, the following should be pointed out: the "Franjo Bučar" National Sports Award (1994), the Award for the deserving teacher of physical education from the Croatian Association of Physical Education Teachers, (1996), the National Award for Science (2006), the City of Zagreb Award for Science and Sports (2006), the "Matija Ljubek" Life Achievement Award from the Croatian Olympic Committee (2008), the National Medal "Red hrvatskog pletera" from the Croatian President (2010) and the "Franjo Bučar" Life Achievement Award for Sports (2011).
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Tenured full professor, December 12, 2000
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals	1. Ohnjec, K., Vuleta, D., Milanović, D. & Gruić, I. (2008). Performance indicators of teams at the 2003 World Handball Championship for woman in Croatia. Kinesiology, 40(1), 69-79. 2. Sporis, G., Jukic, I., Ostojic, S.M., Milanovic, D. (2009). Fitness Profiling in Soccer: Physical and Physiologic Characteristics of Elite Players, The Journal of Strength & Conditioning Research, 23(7):1947-53.

	and scientific books, 5 – 10 publications)	3. Čustonja, Z., Milanović, D., Sporiš, G. (2009). Kinesiology in the Names of Higher Education Institutions in Europe and The United States Of America. Kinesiology 41 (2): 136-146. 4. Sporiš, G., Vuleta, D., Vuleta, D, Jr. Milanović, D. (2010). Fitness Profiling in Handball: Physical and Physiological Characteristics of Elite Players. Collegium antropologicum, 34, 3, 1009-1014 5. Dražen Harasin, Dragan Milanović i Milan Čoh (2010), *3D Kinematics of the Swing Arm in the Second Double Support Phase of Rotational Shot put – Elite vs. Subelite Athletes*, Kinesiology, 42, 2, 169-174. 6. Milanović, D., Vuleta, D. i Šišić,A. (2012): Comparative Analysis of Morphological Characteristicsof Goalkeepers in Football and Handball. Montenenegrin Journal of Sports Science and Medicine, 1 (2012) 1: 5–9. 7. Milanović, D., Šalaj, S. i Gregov, C. 2012). Opća kondicijska priprema u funkciji zaštite zdravlja sportaša. Arhiv za higijenu rada i toksikologiju – SCI, SCOPUS, Pub MED, IF. 2011, 1,048, 63, Supplement 3, 103-119. 8. Selmanović, A., Milanović, D. and Čustonja, Z. (2013). Effects of an Additional Basketball and Volleyball Program on Motor Abilities of Fifth Grade Elementary School Students. Collegium Antropologicum, 37 (2), 391-400.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Modelling and Evaluation of Physical Conditioning Programmes: 034-034262609, Ministry of Science, Education and Sports of the Republic of Croatia.

Nr.	Title, last name, First name of the teacher	**Milanović Luka, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course(s)	Research on Athlete Characteristics Assessment and Evaluation of Motor Abilities Assessment and Evaluation of Functional Abilities Development of Physical Conditioning Abilities
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	luka.milanovic@kif.hr
5.	Biography	Luka Milanović was born in Zagreb, November 1st, 1978. He completed his secondary education in 1997 at the Stratford Academy Stratford Academy, Macon, Georgia, he graduated in 2002, obtained his Master's degree in 2007 and his Doctor's degree in 2011 at the Faculty of Kinesiology, University of Zagreb. He was employed at the Faculty of Kinesiology in 2003 as a junior researcher-assistant. As of 1998 he participates in the realization of physical conditioning programmes for athletes, individually, in clubs or in national teams. He worked as a physical conditioning coach in basketball club Cibona, basketball club Zagreb, football club Zagreb and the Egyptian national handball team. He also worked individually with many basketball, football and tennis players. As of 2007 he is the physical conditioning coach at the Croatian national basketball team, as part of which he participated in the 2008 Olympic Games in Beijing, the 2010 FIBA World Championship in Turkey, as well as in the FIBA Eurobasket in 2007, 2009, 2011 and 2013. He was awarded with the Rector's Award, and since the beginning of his study until today, he published, as a single author or as a co-author, more than 50 scientific and professional papers. His papers mostly deal with research on characteristics of physical conditioning of athletes and the effects of programmed training. In the academic year 2010/11he spent a month at a postgraduate specialisation at the Faculty of Physical Activity and Sport Sciences (INEF) in Madrid.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Research fellow, March 3rd, 2012
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10	1. Sporis, G., Jukić, I., Ostojić, S., Milanović, L. (2009). Fitness Profiling in Soccer: Physical and Physiologic Characteristics of Elite Players. Journal of Strength and Conditioning Research 23 (7), 1947-1953. 2. Sporiš, G., Milanovic, L., Jukic, I., Omrcen, D., Sampedro JM. (2010). The Effect Of Agility Training On Athletic Power Performance. // Kinesiology : international journal of fundamental and applied kinesiology. 41 (2010) , 1; 65-72.

	publications)	3. Sporiš, G., Jukić, I., Milanović, L., Vučetić, V. (2010). Reliability and Factorial Validity of Agility Tests for Soccer Players. // The Journal of Strength & Conditioning Research. 24 (2010) 3; 679-686. 4. Sporiš, G., Naglić, V., Milanović L., Talović, M., Jelešković, E. (2010). Fitness Profile of Young Elite Basketball Players (Cadets). Acta Kinesiologica. 4(2), 62-68. 5. Piñonosa, S, Sillero-Quintana, M., Milanovic, L., Coteron, J., Sampedro, J. Thermal evolution of lower limbs during a rehabilitation process after Anterior Cruciate Ligament surgery. Kinesiology – international journal of fundamental and applied kinesiology. Vol 45 (2013), no.1, p. 121-129.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Project by the Ministry of Science, Education and Sports number 034-0342607-2623 titled “Mechanical Muscle Function in Ballistic Movements” 2. Project by the Ministry of Science, Education and Sports and the Faculty of Kinesiology, University of Zagreb “Research of Human Resources and Potentials” realized between 2008 and 2012.

Nr.	Title, last name, First name of the teacher	**Assoc. Prof., Mirkov Dragan, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course(s)	Assessment and Evaluation of Motor Abilities Assessment and Evaluation of Functional Abilities Development of Physical Conditioning Abilities
3.	Home institution	University of Belgrade, Faculty of Sport and Physical Education
4.	E-mail address	dmirkov@gmail.com
5.	Biography	EDUCATION 1994: B.S. (Faculty of Physics, University of Belgrade; Yugoslavia) 2001: M.S. (University of Belgrade, specialisation Biophysics, Yugoslavia) Faculty of Sport and Physical Education, University of Belgrade, Yugoslavia 2003: Ph.D. (Faculty of Sport and Physical Education, University of Belgrade, Yugoslavia) WORKING EXPERIENCE 2009-today: Faculty of Sport and Physical Education, University of Belgrade, associate professor. 2011-today: Institute for Sport Science, Justus Liebig University, Giessen, Germany, visiting researcher. 2012-today: Faculty of Sport and Physical Education, University of Novi Sad, invited lecturer. 2010-today: Institute for Medical Research, University of Belgrade, researcher on a project. 2003-09: Faculty of Sport and Physical Education, University of Belgrade, assistant professor. 1997-2003: Institute for Biophysics, School of Medicine, University of Belgrade, assistant.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Associate professor, April, 2009
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Knezevic O, Mirkov DM (2013) Strength assessment in athletes following an anterior cruciate ligament injury. Kinesiology. 45 (1): 3-15. 2. Markovic S, Mirkov DM, Knezevic OM, Jaric S (2013) Jump training with different loads: effects on jumping performance and power output. Eur J Appl Physiol. 113 (10): 2511-2521. 3. Knezevic O, Mirkov DM. (2013) Trunk muscle activation pattern in subjects with low back pain, Vojnosanitetski pregled. 70 (3):315-8. 4. Knezevic O, Mirkov DM, Kadija M, Milovanovic D, Jaric S. (2012) Alternating consecutive maximum

		contraction as a test of muscle function in athletes following ACL reconstruction. Journal of Human Kinetics. Dec, 35: 5-13 5. Sekulic D, Spasic M, Mirkov D, Cavar M, Sattler T. (2013) Gender-specific influences of balance, speed and power on agility performance Laboratory of Sport Medicine, Faculty of Sport, University of Ljubljana, Slovenia. J Strength Cond Res. 27 (3): 802-811 6. Bacvarevic BB, Pazin N, Bozic PR, Mirkov D, Kukolj M, Jaric S. (2012) Evaluation of a composite test of kicking performance. J Strength Cond Res, 26(7):1945-52. 7. Dubljanin-Raspopović E, Kadija M, Mirkov D, Bumbasirević M (2011) Importance of open and closed kinetic chain exercises after anterior cruciate ligament reconstruction. Vojnosanit Pregl. 2011 Feb;68(2):170-4 (Serbian). 8. Kadija M, Knezevic O, Milovanovic D, Bumbasirevic M, Mirkov DM.(2010) Effect of isokinetic dynamometer velocity on muscle strength deficite in elite athletes. Medicina Dello Sport, 63(4): 495-508. 9. Mirkov DM, Kukolj M, Ugarkovic D, Koprivica VJ, Jaric S (2010) Development of anthropometric and physical performance profiles of young elite male soccer players: a longitudinal study. J Strength Cond Res. 24(10): 2677-2682. 10. Nedeljkovic A, Mirkov DM, Markovic S, Jaric S. (2009) Tests of Muscle Power Output Assess Rapid Movement Performance When Normalized for Body Size. J Strength Cond Res. 23(5): 1593-1605.
8.	List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. "Establishing a Monitoring System of the Physical Development and the Development of Motor Skills in Pupils at Physical Education Classes", Serbian Institute for Evaluating the Quality of Education and Physical Exercise (2012-14) 2. "Increasing the Efficiency of Power and Strength Training on an Unstable Surface by Monitoring Strength in a Concentric System: Application in Sports and Rehabilitation", bilateral project in collaboration with the Slovak Republic (2010-11) 3. "Muscular and Neural Factors of Human Locomotion and Their Adaptive Changes" (number 175037), Ministry of Education, Science and Technological Development of the Republic of Serbia (2011-14) 4. "Non-invasive Modulation of the Cortical Excitability and Plasticity – Development of Methods for Non-invasive Neuromodulation of the Central Nervous System in Research on Physiological Mechanisms, Diagnostics and Therapy" (number 175012) Ministry of Education,

		Science and Technological Development of the Republic of Serbia (2011-14) 5. "Evaluation of Anthropological Characteristics and Capabilities of Volleyball Players", Faculty of Sport and Physical Education (2010-12)

Nr.	Title, last name, First name of the teacher	**Full Prof., Mišigoj-Duraković Marjeta, PhD, MD**
1.	Leader of the course(s)	Measuring Instruments in Experimental Kinesiology Biological Mechanisms of Physical Activity Impacts on Chronic Disease Prevention Variability in Physical Activity-Related Biological Properties
2.	Associate teacher in course (s)	
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	mmisigoj@kif.hr
5.	Biography	Dr. med., specialist of Internal Medicine, MSc. in Biology, full-time professor with tenure in Social Sciences - Kinesiology, and full-time professor with tenure in Biomedicine, Faculty of Kinesiology, University of Zagreb. Advisor of the Dean of the Faculty of Kinesiology (2001-2013) and leader of the doctoral program of Kinesiology (2001-2013). SCIENTIFIC RESEARCH: Deals with scientific research work in the field of sports and recreational medicine, particularly in her field of internal medicine and the aspect of prevention of chronic metabolic and cardiovascular diseases as well as in the field of biological anthropology with the research of the variability of morphologic and functional characteristics within athletes, women, children and adolescents. Researched the EKG characteristics in athletes, cardiovascular risks of exercising and sports, growth and development at long-term programs, sexual dimorphism of body conformation and composition, overweight characteristics, activity levels as well as the importance of these factors in the prevention of chronic metabolic and cardiovascular diseases. Published a total of 275 full length scientific papers in scientific journals, conference proceedings and textbooks, 50 of which published in journals that are cited in WOS. Author and editor of four textbooks, an author and editor of 73 textbook chapters in numerous university textbooks and other textbooks in the field of internal medicine, Sports and Exercise Medicine. PAPER CITATIONS IN THE WOS DATABASE: 338, h-index: 9. She has both participated and led numerous scientific projects. 2012/2013 - leader of the scientific project “Patterns of physical activity in normal weight and overweight 11-year-old children”, supported by the Fund for the Development of the University of Zagreb. Leader of the scientific program "Health Aspects of Physical Activity" and the project “The Significance of Physical Activity Levels in the Prevention of Chronic Cardiovascular Diseases”, supported by the Croatian Ministry of Science, Education and Sports. JOURNAL EDITOR AND ORGANIZER OF SCIENTIFIC AND PROFESSIONAL CONFERENCES: A member of the

		editorial board at the international scientific journals: Kinesiology and Journal of Human Sport and Exercise; reviewer of scientific journals, international conference proceedings, books and educational materials, doctoral programs at the universities of Zagreb and Ljubljana. Participated and organized numerous international scientific and professional conferences as a member of the scientific committee, organizational committee or reviewer. University teacher since 1988, leader of the course Biological Kinanthropology, leader of the course Selected Topics from Internal Medicine since 2003. Leader of the elective courses Athlete Diets and Women in Sports. Leader of the doctoral program of Kinesiology and leader of two courses from 2001 to 2013. Also participated in postgraduate courses at other faculties (Faculty of Food and Biotechnology and School of Medicine) at the Universities of Zagreb and Ljubljana (Sports Faculties). Mentor of 20 undergraduate theses, 3 defended Master's theses, 6 defended doctoral dissertations and 3 proposed ones. Member of numerous committees for the evaluation and defence of doctoral dissertations at the Universities of Zagreb and Ljubljana. FUNCTIONS: Held the position of sub dean for scientific work at the Faculty of Kinesiology (1997-2001) and was a member of the faculty committee and working group for the development of the study programs according to the ECTS. Head of the Department of Sports Medicine and Exercise at the Faculty of Kinesiology, University of Zagreb (2001-2010) and advisor to the dean of the Faculty of International Relations (1998-2013). Leader of the Doctoral program Kinesiology at the Faculty of Kinesiology, University of Zagreb (2001-2013). MEMBERSHIPS: Fellow of ECSS, INSHS board member and head of the section for Sport, Exercise and Health, member of IASK, representative at the ICSSPE. Member of the Croatian Medical Association and the Croatian Medical Chamber. AWARDS AND RECOGNITIONS: 2001 - Award from the Croatian association for physical education pedagogues for outstanding scientific and professional contribution to the realization of Summer schools; 2010 - diploma with a golden badge from the Croatian Association of Kinesiology.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full-time professor with tenure (field of Social Sciences), 12.12.2000. Full-time professor with tenure (field of Biomedicine), 15.04.2009
7.	List of publications in the last five years which qualify the course leader for implementation of the	

	programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	

Nr.	Title, last name, First name of the teacher	**Full Prof., Mršić-Pelčić Jasenka, PhD, MD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Medicinal Products and Doping
3.	Home institution	University of Rijeka, School of Medicine
4.	E-mail address	jasenka.mrsic.pelcic@medri.uniri.hr
5.	Biography	Prof.dr.sc. Jasenka Mršić-Pelčić, dr.med. graduated the School of Medicine in Rijeka in 1986. Works at the Department of Pharmacology since 1987. Acquired her Doctor of Science degree in the field of Biomedicine and Health care in the year of 1995. The same year she was appointed as associate senior assistant for the Pharmacology course in the Department of Pharmacology at the School of Medicine in Rijeka. Achieved the rank of docent in 1997 and became an associate professor in 2002. In 2007 she was chosen for the first time as a full-time professor, and in 2012 became a full-time professor with tenure. Since 1987, she is actively involved in the execution of all forms of classes that take place within the curricular activities of the Department of Pharmacology, either as a course leader or teaching assistant (for the courses of Pharmacology, Toxicology, Clinical Pharmacology, Drug intoxication, Drugs and Marketing), both at the undergraduate and the doctoral program levels. Since 2010, she has been participating in teaching the course of Therapy Individualization, part of the postgraduate specialization program Clinical Pharmacy at the Department of Pharmacy and Biochemistry in Zagreb. On top of the mentioned curricular activities, she is also an author and co-author of two chapters in the “Fundamentals of Clinical Pharmacology” textbook (written by Franetić I. and Vitezić D.) as well as a few chapters in several other books. Her scientific interest is based on studying the molecular and biochemical mechanisms responsible for neuronal damage during hypoxia and ischemia of the brain as well as the potential neuroprotective effect of a number of substances. So far she has published a total of 40 scientific papers, 23 of them cited in CC/SCI, and cited 216 times as of January 2014. She has been improving her skills with numerous visits abroad. Head of the research project since 2007.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor with tenure, 25.05.2012.
7.	List of publications in the last five years which qualify the course leader for implementation of the	1. Vitezic D, Madjarevic T, Gantumur M, Buble T, Vitezic M, Kovacevic M, Mršić-Pelčić J, Sestan B. Outpatient drugs usage in Croatia during the eight-year period: influences of pricing policy changes". Int J Clin

	programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	Pharmacol Ther, 2012. 2. Vitezić D, Mršić-Pelčić J, Drenski-Balija N. Istovrsni biološki lijekovi – promjene i razvoj zakonodavstva. Pharmaca 2010; 48: 4- 13 3. Mršić-Pelčić J, Pilipović K, Pelčić G, Vitezić D, Župan G. "Temporal and regional changes of superoxide dismutase and glutathione peroxidase activities in rats exposed to focal cerebral ischemia". Cell Biochem Funct, 2012 4. Mršić-Pelčić J, Pilipović K, Vujičić B, Pelčić G, Vitezić D, Župan G. The influence of erythropoietin treatment on oxidative stress parameters in cortex of rats exposed to transient middle cerebral artery occlusion. Period biol 2011; 113: 69-74 5. Pilipović K, Župan Ž, Dangubić B, Mršić-Pelčić J, Župan G. Oxidative stress parameters in different brain structures following lateral fluid percussion injury in the rat. Neurochem Res 2011; 36: 913-921 6. Perković O, Vitezić D, Rudež J, Vitezić M, Kovačević M, Mršić-Pelčić J, Ljubičić Đ, Jurjević A. Sildenafil induced choreoathetosis in men with Parkinson's disease. Int J Clin Pharmacol Ther 2010; 48: 76-78 7. Vitezić D, Mršić-Pelčić J, Župan G, Vitezić M, Ljubičić Đ, Simonić A. Na^+, K^+-ATP-ase activity in the brain of the rats with kainic acid-induced seizures: influence of lamotrigine. Psychiatr Danub 2008; 20(3): 269-276 8. Mršić-Pelčić J, Pelčić G, Vitezić D, Ljubičić Đ, Župan G, Simonić A. Activation of ERK and JNK MAP kinases in optical nerves of rats exposed to global cerebral ischemia. Psychiatr Danub 2008; 20(4): 456-460 9. Pelčić G, Vitezić D, Mršić-Pelčić J. Farmakoterapija glaukoma. Farm Glas 2011; 67 (5): 311- 327
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	Head of the research project "Molecular Mechanisms of ischemic brain damage and neuroprotection" (number: 062-0620529-0518; 2007. -).

Nr.	Title, last name, First name of the teacher	**Assoc. Prof., Neljak Boris, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Applied Kinesiology Research
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	boris.neljak@kif.hr
5.	Biography	Boris Neljak was born in Zagreb on the 15th of December 1954. Croat by nationality, Croatian citizen, married and a father of two. Graduated Elementary School and the High School of Mathematics and Sciences in Zagreb and later on enrolled in the teaching program at the Faculty of Physical Education in Zagreb. Graduates it on the 5th of July 1981 with an experimental thesis titled "The relationship between hydrodynamics and buoyancy and its effects on successful 25-meter swims with the crawl technique, as well as some segments of the technique." After graduation he starts working part-time from the 5th of September 1981 at the Elementary School "Rajka i Zdenka Baković", Kušlanova 53, Zagreb. His first permanent job in line with his edication was was at O.C. "Nikola Tesla", Klaićeva 7. in Zagreb, where he works from the 27th of November 1981 to the 22nd of November 1987. In 1984, seeking to improve his academic knowledge in the field of Kinesiology, he enrolls for a graduate program at the Faculty of Physical Culture/Education in Zagreb and is appointed as an associate outside expert for the "Basic kinesiology transformations" course. In 1984, he publishes his first academic works on the second physical culture pedagogue congress in Zagreb, with the titles "Relaxation - an important teaching content" and "The Pause Method – improving the organizational forms of work". He is employed at the Faculty of Physical Cultire/Education on the 25th of November 1987 as an assistant for the Methodology of Kinesiology course. Obtains his Master's degree in 1990 at the same faculty with his thesis titled "The impact of suggested kinesiology treatments during the summer school holidays on some morphological, motor and functional characteristics of students." Ever since joining the Faculty of Kinesiology at the University in Zagreb, he's been actively participating in a number of national and international scientific and professional conferences. He has also been teaching at the academic postgraduate level at the Faculty of Kinesiology at the University of Zagreb for 8 years. He successfully defended his dissertation entitled "Curriculum validation of teaching physical and health education" in 2002 at the Faculty of Kinesiology, University of Zagreb.

		In 1992 he was awarded with a golden badge and a diploma for his academic contribution by the professional association of physical education teachers in Croatia. In 2002 he received a letter of appreciation by the professional association of physical education teachers in Croatia.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Associate professor, 27.05.2009.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Neljak, B., Milanović, D., Novak, D., Petrić, V. (2013.). Smjernice istraživačkog rada u kineziološkoj edukaciji. U: D. Milanović, A. Bežen, V. Domović (ur.) Metodike u suvremenom odgojno-obrazovnom sustavu 2013., (str.148-161). Zagreb: Akademija odgojno-obrazovnih znanosti. 2. Ujević, T., Sporiš, G., Milanović, Z., Pantelić, S., Neljak, B. (2013.). Differences Between Health – Related Physical Fitness of Croatian Children in Urban and Rural Areas. Collegium Antropologicum. 37. 1; 75-80. 3. Novak, D., Neljak, B. (2013.). Differences in physical self-concept of adolescent in the Republic of Croatia. International Journal on Leisure, Health, and Community Wellbeing.* (in press) 4. Neljak, B., Novak, D., Podnar, H., Antala, B. (2012.). Teaching Didactic Forms and Levels of Male Students´ Physical Activity. Asian Journal of Exercise & Sports Science. 9 (2); 49-56. 5. Novak, D., Neljak, B., Prot, F. (2012.). Macro-regional differences in motor abilities among the 5th grade primary school pupils in the Republic of Croatia. Collegium Antropologicum.* (in press)
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	

Nr.	Title, last name, First name of the teacher	**Nikolić Marko, PhD, MD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Physical Activity in Tertiary Prevention of Chronic Diseases
3.	Home institution	University of Zagreb, School of Dentistry and University Hospital Centre "Sisters of Mercy"
4.	E-mail address	marko.nikolic72@gmail.com
5.	Biography	Born on the 19th of August 1972 in Zagreb. Graduated the School of Medicine, University of Zagreb in 1997. From 2000 to 2004 specializes in Internal Medicine at the Clinic for Pulmonary Diseases Jardanovac, Zagreb. From 2005 employed at the University Hospital Centre "Sisters of Mercy", Internal Clinic, Department of Gastroenterology and Hepatology. Particular areas of expertise: Endoscopy-interventional procedures (special interest in endoscopic methods of treating obesity), endoscopic and trans abdominal ultrasound, endocrine oncology, enteral and parenteral nutrition. Educated in a number of international centres of excellence in these areas, including a stay in 2011 at the Institute Paoli Calmettes "EUS learning course", Marseille, France, as well as passing the final exam in clinical nutrition and metabolism in Leipzig, Germany in 2013. Receives a diploma for expert in the field of the European Society for Clinical Nutrition and Metabolism (ESPEN). Postgraduate program: 1997-1999 Science PhD program "Biomedicine and Health", School of Medicine, Zagreb. 13.06.2007 Master of Science (Master's thesis: "ACE gene polymorphism and renovascular disease"), mentor prof. dr. sc. Duško Kuzmanović. 26.04.2011 Doctor of Science (Doctoral dissertation: "The Value of Monitoring Concentration of Ghrelin and Leptin levels in Assessing the Effectiveness of Treatment by Intragastric Balloon and Bariatric Procedures"), mentor prof. dr. sc. Neven Ljubičić. Teaching experience: 16.09.2009 appointed as an assistant and on the 15th of December 2011 as a senior assistant at the Department of Internal medicine, School of Dentistry, University of Zagreb, also involved in teaching at the undergraduate level and as of 2011 teaches in the postgraduate program of Dental Medicine, course: "The Association of Diseases of the Teeth and Oral Cavity with the Diseases of the Cardiovascular Systems". A regular lecturer at the postgraduate level at the School of Medicine, University of Zagreb since 2010 for the course Abdominal Ultrasound. Permanent reviewer if three prominent CC journals (Obesity Surgery, Clinical Nutrition, European Journal of Nutrition) and one in the scientific database SCI - Expanded (WOS) Mini-Reviews in Medical Chemistry.

		Fluent in English. Married, father of two.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Senior Research Assistant, 08.05.2013.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. NIKOLIĆ M, Kuliš T, Kirac I, Bekavac Bešlin M. Prompt treatment of intestinal obstruction after biliopancreatic diversion can save the intestinal loop. Obes Surg 2008 Nov;18(11):1495-7. 2. Zekanović D, Ljubičić N, Boban M, NIKOLIĆ M, Delić-Brkljačić D, Gaćina P, Klarin I, Turčinov J. Doppler ultrasound of hepatic and system hemodynamics in patients with alco hol liver cirrhosis. Dig Dis Sci 2010; 55:458-466. 3. Ljubičić N, Bišćanin A, NIKOLIĆ M, Supanc V, Hrabar D, Pavić T, Boban M. A randomized-controlled trial of endoscopic treatment of acute esophageal variceal hemorrhage: N-butyl-2-cyanoacylate injection vs. variceal ligation. Hepatogastroenterology. 2011 Mar-Apr; 58(106):438-43. *4.* NIKOLIĆ M , Boban M, Ljubicic N, Supanc V, Mirosevic G, Pezo Nikolic B, Krpan R, Posavec L, Zjacic-Rotkvic V, Bekavac-Beslin M, Gacina P. Morbidly obese are ghrelin and leptin hyporesponders with lesser intragastric balloon treatment efficiency: ghrelin and leptin changes in relation to obesity treatment. Obes Surg. 2011; 21: 1597-1604. 5. Boban M, Ljubicic N, NIKOLIĆ M , Tomas D, Zovak M, Bekavac-Beslin M, Belev B, Radic J, Milosevic M. Lack of prognostic significance of connexin-43 labeling in series of 46 gastrointestinal stromal tumors. Int J Biol Markers. 2011 Apr-Jun; 26(2):124-8. 6. NIKOLIĆ M, Mirosevic G, Ljubičić N, Boban M, Supanc V, Pezo Nikolic B, Zjacic-Rotkvic V, Bekavac-Bešlin M, Gaćina P. Obesity treatment using a Bioenterics intragastric balloon (BIB) – Preliminary Croatian Results. Obes Surg 2011 Aug; 21 (8): 1305-10. 7. NIKOLIĆ M, Boban M, Ljubičić N, Supanc V, Mirošević G, Pezo Nikolić B, Zjačić-Rotkvić V, Gaćina P, Mirković M, Bekavac-Bešlin M. Position of intragastric balloons in global initiative for obesity treatment. Coll Antropol . 2011 Dec; 35 Suppl 4: 1353-62. 8. Ljubičić N, Budimir I, Bišćanin A, NIKOLIĆ M, Supanc V, Hrabar D, Pavić T. Endoclips vs large or small-volume epinephrine in peptic ulcer recurrent bleeding. World J Gastroenterol 2012 May 14;

		18(18):2219-24. 9. Ljubičić N, Puljiz Z, Budimir I, Bišćanin A, Bratanić A, Pavić T, NIKOLIĆ M , Hrabar D, Supanc V. The influence of etiologic factors on clinical outcome in patients with peptic ulcer bleeding. Dig Dis Sci. 2012 Dec; 57: 3195-204. 10. Mirošević G, NIKOLIĆ M , Kruljac I, Ljubičić N, Bekavac-Bešlin M, Milošević M, Pezo Nikolić B , Supanc V, Budimir I, Vrkljan M. Decrease in insulin resistance has a key role in improvment of metabolic profile during intragastric balloon treatment. Endocrine. 2013 Oct 17 [Epub ahead of print]
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. "Treatment of Obesity by Intragastric Balloon" approved by the Croatian Ministry of Science, Education and Sports (class 402-07/08-08/00111; No. 533-08-10-0005). June 17, 2010 – Project leader – prof. dr. sc. Neven Ljubičić. 2. University of Zagreb, School of Dentistry, "Systematic Inflammation and body composition – impact on survival of patients" 2013 – Project Leader - prof. dr. sc. Neven Ljubičić.

Nr.	Title, last name, First name of the teacher	**Full Prof., Ostojić Sergej, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Research on Athlete Characteristics Assessment and Evaluation of Motor Abilities Assessment and Evaluation of Functional Abilities Development of Physical Conditioning Abilities
3.	Home institution	University of Novi Sad, Faculty of Sport and Physical Education University of Belgrade, Faculty of Medicine
4.	E-mail address	sergej.ostojic@chess.edu.rs
5.	Biography	Diploma: Medical Faculty in Balgrade (1996). Master's degree: Faculty of Medicine in Belgrade (2000), filed: sports medicine. Specialization: Faculty of Medicine in Belgrade (2002), field: sports medicine. Doctorate: Faculty of Medicine in Belgrade (2003), field: sports medicine. Member of the international scientific and professional associations: The International Federation of Sports Medicine, The American Society of Exercise Physiology, The Brittish Association of Sport and Exercise Sciences, European Physical Conditioning Association. Professional associate of many elite athletes, clubs and national teams in football, basketball, tennis, swimming, fitness and other sports, as well as professional national bodies (the Serbian Sports Association, the Olympic Committee, the Serbian Football Association, etc).
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor, 15.09.2012.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Ostojic SM, Stojanovic MD, Calleja-Gonzalez J, Olcina G, Sekulic D, Hoffman JR. Performance-enhancing effects of non-selective endothelin receptor antagonist. *International Journal of Cardiology*, 2014;171(2):294-297. 2. Ostojic SM, Stojanovic MD. Hydrogen-rich water affected blood alkalinity in physically active men. *Research in Sports Medicine*, 2014;22(1):49-60. 3. Ostojic SM, Idrizovic K, Stojanovic MD. Sublingual nucleotides prolong run time to exhaustion in young physically active men. *Nutrients*, 2013;5(11):4776-4785. 4. Ostojic SM, Niess B, Stojanovic M, Obrenovic M. Creatine metabolism and safety profiles after six-week oral guanidinoacetic acid administration in healthy humans. *International Journal of Medical Sciences*, 2013;10(2):141-147. 5. Ostojic SM, Niess B, Stojanovic M, Obrenovic M. Co-administration of methyl donors along with guanidinoacetic acid reduces the incidence of

		hyperhomocysteinemia compared to guanidinoacetic acid administration alone. *British Journal of Nutrition*, 2013;110(5):865-870. 6. Ostojic SM. Prediction of adult height by Tanner-Whitehouse method in young Caucasian male athletes. *QJM*, 2013;106(4):321-345. 7. Ostojic SM, Stojanovic MD, Djurovic D. Effects of coffee-berry extract on plasma total phenolic content and antioxidant capacity in active men. *Science and Sports*, 2012;27(5):308-311. 8. Ostojic SM. Serum alkalization and hydrogen-rich water in healthy men. *Mayo Clinic Proceedings*, 2012;87(5):501-502. 9. Ostojic SM, Obrenovic M. Sublingual nucleotides and immune response to exercise. *Journal of the International Society of Sports Nutrition*, 2012;9(1):31. 10. Ostojic SM, Stojanovic M, Calleja-Gonzalez J. Ultra short-term heart rate recovery after maximal exercise: relations to aerobic power in sportsmen. *Chinese Journal of Physiology*, 2011;54(2):105-110.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. 2008 - 2010 *Experimental Modeling in Human Locomotion.* Ministry of Science, Belgrade, Serbia (Grant No. 145082). $142,000.00. Ostojic SM. Co-Investigator. 2. 2008 - 2010 *Effects of Hydrogen-Rich Water on Blood Buffering Capacity in Physically Active Men.* NORP Inc., San Diego, CA, USA (Grant No. CH61). $4,000.00. Ostojic SM. Principal Investigator. 3. 2009 – 2010 *The Effects of Medium-Term Oral Guanidinoacetic Acid Administration on Human Performance, Body Composition, and Metabolic Outcomes in Physically Active Men and Women.* AlzChem AG, Trostberg, Germany (Grant No. AN_85E_S09). $215,000.00. Ostojic SM. Principal Investigator. Registered at ClinicalTrials.gov. Identifier: NCT01133899. 4. 2010 - 2012 *The Effects of 8-Week Choline, Betaine, and Folic Acid Supplementation on Plasma Homocysteine Concentration during Guanidinoacetic Acid Loading in Young Healthy Volunteers.* AlzChem AG, Trostberg, Germany (Grant No. BN_214E_S10). $185,000.00. Ostojic SM. Principal Investigator. Registered at ClinicalTrials.gov. Identifier: NCT01371357. 5. 2011 - 2012 *Characterization and Detection of Prolonged ERA Administration (ERAATH).* World Anti-Doping Agency,

		Montreal, Canada (Grant No. 11C2SO). $80,000.00. Ostojic SM. Principal Investigator. Registered at ClinicalTrials.gov. Identifier: NCT01352065. 6. 2011 - 2014 *Muscular and Neural Factors of Human Locomotion and Their Adaptation.* Ministry of Science, Belgrade, Serbia (Grant No. 175037). $152,000.00. Ostojic SM. Co-Investigator. 7. 2012 - 2013 *The Effects of Hydrogen-Rich Formulation for Treatment of Soft Tissue Injuries.* SevenPoint2 LLC, Newport Beach, CA, USA (Grant No. 012/12C). $14,890.00. Ostojic SM. Principal Investigator. Registered at U.S. National Institutes of Health: NCT01759498. 8. 2013 - 2014 *Muscular and Metabolic Adaptations to Exercise to Benefit High-Risk Workforce.* NIS Gasprom Neft, Belgrade, Serbia (Grant No. 01-300613). $75,000.00. Ostojic SM. Principal Investigator. Registered at ClinicalTrials.gov. Identifier: NCT01958333.

Nr.	Title, last name, First name of the teacher	**Asst. Prof. Peharec Stanislav, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Diagnostics in Kinesitherapy Research Methodology in Kinesitherapy Scientifically Founded Planning and Programming in Kinesitherapy
3.	Home institution	Clinic for physical therapy and medical rehabilitation
4.	E-mail address	stanislav@peharec.com
5.	Biography	Born in Pula on the 21st of April 1963, Croatian nationality, graduated high school for physical therapist in Pula in 1982; graduated the Faculty of Special Education oriented toward somatopedia in Belgrade in 1985; obtained his Master's degree at the Faculty of Kinesiology in Zagreb in 2000; received his doctorate at the School of Medicine and obtained the title of docent at the School of Medicine in Rijeka in 2011. Currently employed at the clinic for physical medicine and medical rehabilitation in Pula. Associate at the School of Medicine in Rijeka for the course of physiotherapy, as well as the graduate level course of physiotherapy.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Assistant professor, 01.02.2011.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Klasan GS, Ivanac D, Erzen DJ, Picard A, Takasawa S, Peharec S, Arbanas J, Girotto D, Jerkovic R.Reg3G gene expression in regenerating skeletal muscle and corresponding nerve.Muscle Nerve. 49(1):61-8,2014. 2. Arbanas J, Pavlovic I, Marijancic V, Vlahovic H, Starcevic-Klasan G, Peharec S, Bajek S, Miletic D, Malnar D. MRI features of the psoas major muscle in patients with low back pain.Eur Spine J. 22(9):1965-71,2013. 3. Rade M, Shacklock M, Peharec S, Bačić P, Candian C, Kankaanpää M, Airaksinen O. Effect of cervical spine position on upper limb myoelectric activity during pre-manipulative stretch for Mills manipulation: a new model, relations to peripheral nerve biomechanics and specificity of Mills manipulation. J Electromyogr Kinesiol. 22(3):363-9, 2012. 4. Girotto D, Ledić D, Strenja-Linić I, Peharec S, Grubesić A. Clinical and medicolegal characteristics of neck injuries. Coll Antropol. 35 Suppl 2:187-90, 2011. 5. Jerković R, Bosnar A, Jurisić-Erzen D, Azman J, Starcević-Klasan G, Peharec S, Coklo M. The effects of long-term experimental diabetes mellitus type I on skeletal muscle regeneration capacity. Coll Antropol. 33(4):1115-9, 2009.

		6. Starcević-Klasan G, Cvijanović O, Peharec S, Zulle M, Arbanas J, Ivancić Jokić N, Bakarcić D, Malnar-Dragojević D, Bobinac D. Anthropometric parameters as predictors for iliopsoas muscle strength in healthy girls and in girls with adolescent idiopathic scoliosis. Coll Antropol. 32(2):461-6, 2008. 7. Tomislav Pribanić, Peter Sturm, Stanislav Peharec. Wand-based calibration of 3D kinematic system. IET Computer Vision. 3 (3); 124-129, 2009. 8. Tomislav Pribanić, Stanislav Peharec, Vladimir Medved. A comparison between 2D plate calibration and wand calibration for 3D kinematic systems. Kinesiology: International journal of fundamental and applied kinesiology. 41 (2), 147-155, 2009.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Regeneration of the brain, peripheral nerve and skeletal muscle in diabetes. 062-0620529-0517

Nr.	Title, last name, First name of the teacher	**Assoc. Prof., Perasović Benjamin, PhD**
1.	Leader of the course(s)	Motivational Processes in Exercise and Sport Psychological Aspects of Physical ActivitAddictiony Sociology of Small Groups
2.	Associate teacher in course (s)	
3.	Home institution	Institute of Social Sciences Ivo Pilar University of Zagreb, Faculty of Kinesiology
4.	E-mail address	Ben.perasovic@gmail.com
5.	Biography	Benjamin was born on the 5th of April 1963 in Zagreb. He is a Croatian citizen. He graduated elementary and secondary school in Zagreb. In 1986 he graduated a single major in Sociology at the Department of Sociology, Faculty of Humanities and Social Sciences, University of Zagreb with a thesis titled "Social Movements as a Problem of Sociology." His grade point average was 4.7. In 1990, at the same faculty, he obtained his Master's degree with his thesis "Comparison of Bell's and Touraine's theories of post-industrial society" and in 1999 he successfully defended his doctoral dissertation named "Youth Subcultures in Croatia: Styles and Identities from the '70s to the '90s." From 1998 to 1992 he was employed at the Institute for Social Research at the University of Zagreb. He worked on several projects including: "Small religious communities", "Social structure and quality of life in Croatia" and "Social and psychological aspects of violent behaviour by sports audiences." From 1993 he is employed at the Institute for Applied Social Research and later on – at the Institute of Social Sciences Ivo Pilar. He worked on the following projects: "The Abuse of Addictive Substances in the Republic of Croatia", "The Socialization of Children and Youth", "The Urban-Rural Relationship in Croatia from a Post-Modern Perspective". From 2007 he has been participating in the project "Social Re-construction in Rural Territory: Developmental Sustainability". From 2001 to 2011 he teaches a course within the Croatian studies curriculum, which he created and introduced by himself - first as a seminar within the sociology of Croatian society, and later on as an elective course – Youth subcultures. From 2007 he is at the Faculty of Kinesiology where he participates in the project "Dispositional and Situational Determinants of Motivation and Quality of Life of Trainees". In the period between 1988 and 1999 he had the status of an assistant. From 1999 till 2003 he had the status of a senior assistant.

		In 2003 he is appointed as a scientific research associate at the Institute of Social Sciences Ivo Pilar. Since 2005 he is a docent at the Faculty of Kinesiology, University of Zagreb, where he teaches three courses. In 2008 he is appointed as a senior scientific research associate. In 2002 he won the annual national award in science for his book "Urban Tribes – sociology subcultures in Croatia". In 2010 he was appointed as an associate professor at the Faculty of Kinesiology in Zagreb.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Associate professor, 16.02.2011.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Rašeljka Krnić i Benjamin Perasović (2013) *Sociologija i party scena*, Zagreb: Naklada Ljevak 2. Perasović, B. (2013). Teorijske implikacije empirijskog istraživanja punk scene, *Društvena istraživanja*, 22, 3, 497-516. 3. Perasović, B., Mustapić, M., (2013) Football Supporters in the Context of Croatian sociology: Research Perspectives 20 Years After, *Kinesiology*, 45, 2, 262-275. 4. Perasović, B., (2012) Pogo on the terraces: Perspectives from Croatia, *Punk and Post-Punk*, 1, 3, 285-303. 5. Perasović, B., (2008) Youth, Media, and Subculture in Post-Conflict Societies. The Anthropology of East Europe Review: Central Europe, Eastern Europe and Euroasia. 26, 1, 98-113.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. From 2009 to 2013 – head of the international project "Post-Socialist Punk: Beyond the Double Irony of Self-Abasement". 2. From 2010 – head of the Croatian research team in the large EU FP7 international project MYPLACE (Memory, Youth, Political Legacy and Civic Engagement).

Nr.	Title, last name, First name of the teacher	**Assoc. Prof., Pintarić Hrvoje, PhD, MD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Physical Activity in Tertiary Prevention of Chronic Diseases
3.	Home institution	University Hospital Centre "Sisters of Mercy"
4.	E-mail address	hrvoje.pintaric@kbcsm.hr
5.	Biography	Education: 1980 - 1984. Mathematical Informatics Education Center, graduated with excellency. 1985 - 1990. School of Medicine, University of Zagreb, grade point average of 4,23. 1993 - 1997. Specialized in Internal Medicine, specialization exam passed on the 18th of September 1997. 2002 - 2004. Subspecialized in Cardiology, subspecialization exam passed on the 26th of February 2004. 2011. (November 25th) recognized as a specialist in emergency medicine. 2013. Obtained the title of primarius. Working experience: Mandatory internship conducted at the Health Center "Dubrava" in 1991 and passed the national exam on the 18th of March 1992. Since 1997 worked as a resident doctor in the University Hospital Centre "Sisters of Mercy", Clinic for Internal Medicine, Institute for Cardiovascular Diseases. Since 2004 held the position of head of the Cardiac Clinic of the Institute of Cardiovascular Diseases at the University Hospital Centre "Sisters of Mercy". 2008. Appointed the head of the Cardiac Clinic. Since 2010 head of the Department of Clinics and Laboratories for Cardiac Catheterization Institute of Cardiovascular Diseases at the University Hospital Centre "Sisters of Mercy". 01. April 2011. Appointed as the head of the Clinic, Department of Internal Medicine at the University Hospital Centre "Sisters of Mercy". 29. February 2012. Appointed Assistant Director for Quality Health Care Assurance at the University Hospital Centre "Sisters of Mercy". 01. April 2012. Appointed as the head of the Clinical Unit for Invasive and Interventional Cardiology at the University Hospital Centre "Sisters of Mercy". Professional and Scientific activity: 1993 - 1995. Postgraduate program "Ultrasound in Clinical Medicine", Master of Science with a thesis entitled "Signs of parallel blood vessels in the ultrasound diagnostics of acute alcoholic hepatitis" defended on the 2nd of December 1997.

		2003. Appointed as an assistant at the Department of Internal Medicine, School of Dentistry, University of Zagreb. On the 21st of December 2007 he obtained his doctoral degree after successfully defending his dissertation entitled "Electrophysiological Predictors of Efficacy of Propafenone in Preventing Circular Atrioventicular Nodal and Orthodromic Atrioventicular Tachycardias". 2008. Appointed as senior assistant at the Department of Internal Medicine, School of Dentistry, University of Zagreb. 2008 (June 18th) appointed at the position of research associate. 2009 (March 23rd) appointed at the position of Decent at the School of Dentistry, University of Zagreb. 2010 (January 29th) appointed at the position of college professor in Biomedicine and Health, branch of Internal Medicine at the Medicine College, Zagreb. 2010 (July 12th) appointed at the position of senior research associate. Since 2007. Mentor of two Bachelor's theses at the School of Dentistry, University of Zagreb, and three at the Medicine College in Zagreb, as well as three dissertations. Since 2012. A member of the Committee for Postgraduate and Specialisation programs and the Teachers Selection Committee at the School of Dentistry, University of Zagreb. 2012. Appointed as Assistant Dean for clinical medical courses at the School of Dentistry, University of Zagreb. 2013. Appointed as scientific counselor Reviewr in: Croatian Medical Jurnal, Acta Clinica Croatica, Medica Iadertina. Member of the editorial board: Acta Clinica Croatica Membership in associations: Croatian Medical Chamber Croatian Society of Cardiology 2011. Appointed as the chairman of the Working Group of Labour and Sports Cardiology at the Croatian Society of Cardiology. 2014. Appointed as secretary of the Working Group for Acute Coronary Syndrome in the Croatian Society of Cardiology Croatian Society of Intensive Medicine Croatian Society of Hypertension Published Works: 36 original scientific and professional papers, 12 of which indexed in Current Contents, 6 in the Science Citation Index, 15 in other international index classifications (EMBASE, Excerpta Medica, Index Copernicus) as well as 3 papers in other journals. Professional Interests: Intensive and interventional cardiology, sports cardiology.

6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Associate Professor, 23.09.2013.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Vrsalovic M, Pintaric H, Babic Z, Pavlov M, Vrsalovic Presecki A, Getaldic B, Vrkic N, Nikolic Heitzler V. Impact of admission anemia, C-reactive protein and mean platelet volume on short term mortality in patients with acute ST-elevation myocardial infarction treated with primary angioplasty. Clin Biochem 2012. 2. Pintarić H, Zeljković I, Babić Z, Vrsalović M, Bošnjak H, Pavlović N. Electrophysiological predictors of propafenone efficacy in prevention of atrioventricular nodal reentrant and atrioventricular reentrant tachycardia. Croat Med J 2012;53(6): 605–611. doi: 10.3325/cmj.2012.53.605 3. Škerk V, Markotić A, Delić Brkljačić D, Manola S, Krčmar T, Gabrić ID, Stajminger G, Pintarić H. The association of ventricular tachycardia and endothelial dysfunction in the setting of acute myocardial infarction with ST elevation. Medical science monitor: international medical journal of experimental and clinical research 2013; 19:1027-1036. 4. Bulj N, Potočnjak I, Sharma M, Pintarić H, Degoricija V. Timing of troponin T measurements in triage of pulmonary embolism patients. Croat Med J. 2013;54:561-8. doi: 10.3325/cmj.2013.54.561 5. Pintarić H, Manola Š, Szavitz Nossan J, Pavlović N, Delić-Brkljačić D, Radeljić V. Electrophysiological effects, efficacy and safety of intravenous propafenone in termination of atrioventricular nodal re-entrant tachycardia (AVNRT) and atrioventricular re-entrant tachycardia (AVRT): prospective non-randomized interventional study. Acta Clin Croat 2010; 49:25-31. 6. Štambuk K, Pavlović N, Manola Š, Krčmar T, Pintarić H, Delić-Brkljačić D. Wellens syndrome in a 44- year woman presenting to the ER after resolving exercise-induced chest pain. Acta Clin Croat 2010; 49:73-76. 7. Pavlović N, Štambuk K, Gabrić ID, Trbušić M, Krčmar T, Manola Š, Pintarić H, Radeljić V, Delić Brkljačić D, Vinter O. Repetitive STENT fractures with diffuse coronary artery microaneurism formation - sirolimus eluting STENT hypersensitivity? Acta Clin Croat 2011; 50:609-13. 8. Škerk V, Pintarić H, Delić Brkljačić D, Popović Z, Hećimović H. Orthostatic intolerance: Postural orthostatic tachycardia syndrome with overlapping vasovagal syncope. Acta Clin Croat 2012;51:93-95.

		9. Pintarić S, Bodrožić-Džakić T, Pintarić H, Rusan Z, Ljubičić S. Effect of Nitrogen Oxide and Meteorological Conditions to Number of Patients at Emergency Department. Acta Clin Croat 2012;51:9-14. 10. Nikolić Heitzler V, Babić Z, Miličić D, Starčević B, Mirat J, Strozzi M, Plazonić Ž, Giunio L, Steiner R, Vuković I, Bernat R, Pintarić H. Evaluation of importance of door-to-balloon time and total ischemic time in acute myocardial infarction with ST-elevation treated with primary percutaneous coronary intervention. Acta Clin Croat 2012;51:387-395.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. As a researcher at the Croatian Ministry of Science, Education and Sports No. 224771, participates in the scientific project: "Prognostic significance of platelet serotonin, platelet indices, and inflammation in patients with peripheral arterial disease". 2. Leader of the project: Doc.dr.sc. Mislav Vrsalović, dr.med. Assistants for the project: Prof.dr. sc. Hrvoje Pintarić, dr.med., Dr.sc. Matias Trbušić, dr.med., Prof.dr.sc. Ivo Lovričević, dr. med., Dr.sc. Biserka Getaldić Švarc, dipl. ing., research associate. 3. Participated in the scientific project: "Predictors of Atrial Fibrillation in Patients with Complete AV block and implanted DDD pacemaker".

Nr.	Title, last name, First name of the teacher	**Full Prof., Pišot Rado, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Research Methodology of Kinesiology (workshop)
3.	Home institution	University of Primorska, Koper, Slovenia
4.	E-mail address	rado.pisot@zrs.upr.si
5.	Biography	Prof. dr. Rado Pišot is born on the 9th of September 1962 in Koper. After his graduation he continued his studies at the Faculty of Sports in Ljubljana. He defended his Master's degree in kinesiology in Zagreb in 1994. In 1997 he obtained his Ph.D. in kinesiology. He is a member of the Scientific Council in the Scientific Research Center of the University of Primorska, as well as a member of the Senate of the University of Primorska. In December 2007, he became a vice rector for science and research at the University of Primorska. In 2009 he became a full-time professor and a scientific advisor at the University of Primorska. Since March 2013 he has been appointed as a director of the Scientific Research Center of the University of Primorska. His achievements have been published in numerous internationally renowned journals. He has also written many scientific monographs, handbooks and textbooks. He is also the founder of the Institute of Kinesiology Research (Ikarus) which operates under the Scientific Research Center of the University of Primorska (UP ZRS). In recent years he has been working as a professor for many universities. At his home institution (University of Primorska) he is teaching Applied Kinesiology at the Faculty of Mathematics, the Faculty of Natural Sciences and the Faculty of Information Technology, as well as Motor Learning at the Faculty of Teacher Education. He is also working as a guest professor at the University of Zagreb (Faculty of Kinesiology), the University of Ljubljana (Faculty of Teacher Education and Faculty of Sports) and the University of Maribor (Faculty of Education). He was also a chief editor of the scientific journal Annaes Kinesiologiae and a member of the editorial board of the scientific journals Sportiva Studios (Masaryk University, Brno), Quality of Life (University of Novi Sad, Serbia) and Journal of Public Health (Health Institute, Slovenia). His work has been cited both in Slovenia and abroad. He is an author of numerous articles and reviews that have been published in internationally renowned journals.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor with tenure, 2009.

7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. ADAMI, Alessandra, PIZZINELLI, Paolo, BRINGARD, Aurélien, CAPELLI, Carlo, MALACARNE, M., LUCINI, D., ŠIMUNIČ, Boštjan, PIŠOT, Rado, FERRETTI, Guido. Cardiovascular re-adjustments and baroreflex response during clinical reambulation procedure at the end of 35-day bed rest in humans. Applied physiology, nutrition and metabolism, 2013, vol. 38, no. 6, str. 673-680 2. RODRÍGUEZ-RUIZ, David, GARCÍA-MANSO, Juan Manuel, RODRÍGUEZ-MATOSO, Dario, SARMIENTO, S., DA SILVA-GRIGOLETTO, Marzo, PIŠOT, Rado. Effects of age and physical activity on response speed in knee flexor and extensor muscles. Eur. rev. aging phys. act., 2013, online first, 6 str. 3. LI, Ruowei, NARICI, Marco V., ERSKINE, Robert M., SEYNNES, Olivier, RITTWEGER, Joern, PIŠOT, Rado, ŠIMUNIČ, Boštjan, FLÜCK, M. Costamere remodeling with muscle loading and unloading in healthy young men. J Anat, 2013, early view, str. 1-12 4. SALVADEGO, Desy, DOMENIS, R., LAZZER, Stefano, PORCELLI, Simone, RITTWEGER, Joern, RIZZO, Giovanna, MAVELLI, I., ŠIMUNIČ, Boštjan, PIŠOT, Rado, GRASSI, Bruno. Skeletal muscle oxidative function in vivo and ex vivo in athletes with marked hypertrophy from resistance training. J Appl Physiol, 2013, vol. 114, no. 11, str. 1527-1535 5. IOVINO, Paola, CHIARIONI, Giuseppe, BILANCIO, Giancarlo, CIRILLO, Massimo, MEKJAVIĆ, Igor B., PIŠOT, Rado, CIACCI, Carolina. New onset of constipation during long-term physical inactivity : a proof-of-concept study on the immobility-induced bowel changes. PloS one, 2013, vol. 8, iss. 8, str. 1-8 6. VOLMUT, Tadeja, PIŠOT, Rado, ŠIMUNIČ, Boštjan. Objectively measured physical activity in children aged from 5 to 8 years = Objektivno izmerjena gibalna aktivnost od pet- do osemletnih otrok. Zdravstveno varstvo. [Tiskana izd.], 2013, letn. 52, št. 1, str. 9-18 7. GASPARINI, Mladen, ŠABOVIČ, Mišo, GREGORIC, Igor D., ŠIMUNIČ, Boštjan, PIŠOT, Rado. Increased fatigability of the gastrocnemius medialis muscle in individuals with intermittent claudication. Eur. j. vasc. endovasc. surg., 2012, vol. 44, iss. 2, str. 170-176 8. DOLENC, Petra, PIŠOT, Rado. Effects of long-term physical inactivity on depressive symptoms, anxiety, and coping behaviour of young participants. Kinesiology (Zagreb). [English ed.], 2011, vol. 43, iss. 2, str. 178-184 9. DJORDJEVIĆ, Srdjan, TOMAŽIČ, Sašo, ZUPANČIČ,

		Gregor, PIŠOT, Rado, DAHMANE, Raja. The influence of different elbow angles on the twitch response of the biceps brachii muscle between intermittent electrical stimulations. V: NAIK, Ganesh R (ur.). Applied biological engineering : principles and practice. Rijeka: InTech, 2012, str. 283-296 10. KOREN, Katja, PIŠOT, Rado, ŠIMUNIČ, Boštjan. Pisarniškim delavcem ni treba prekinjati dela za dosego priporočene dnevne vadbe že med delovnim časom. V: LIPNIK, Aleš (ur.). Delo in zdravje? Delo ali zdravje?. Koper: Univerza na Primorskem, Znanstveno-raziskovalno središče, Univerzitetna založba Annales, 2012, str. 163-180
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	He participates in several international projects: Health Enhancing Physical Activity) 2003 – 2007; Bed – rest 2006 – 2009; WADA - Metabolic detection of insulin abuse in sport 2007 – 2009; Central and peripheral limitations to oxidative metabolism in body builders and Muscle and connective tissue adaptations and functional consequences of extreme hypertrophy in male body builders – 2009 – 2011. He also started researches that he organizes and coordinates with his colleagues, which simulate weightlessness in order to study its effects on the human body. The research of simulated weightlessness and its effects on the human body was developed under the research program Bed-rest Valdoltra 2006 – 2009 and was carried out in collaboration with several renowned foreign researchers and institutions (Karolinska Institute in Stockholm, Manchester Metropolitan University, University of Trieste, University of Bari, University of Udine, etc.).

Nr.	Title, last name, First name of the teacher	**Full Prof., Prebežac Darko, PhD**
1.	Leader of the course(s)	Economic Evaluation of Sport and Recreation Programmes in Tourism
2.	Associate teacher in course (s)	
3.	Home institution	University of Zagreb, Faculty of Economics and Business
4.	E-mail address	dprebezac@efzg.hr; www.efzg.unizg.hr/dprebezac
5.	Biography	Dr. sc. Darko Prebežac was born on the 29th of July 1961 in Krivaj, district Lipovljani, Sisačko-moslavačka county. He graduated in 1985, obtained his Master's degree in 1988 and received his Ph.D. degree in 1997 at the Faculty of Economics and Business in Zagreb. In the period from 1985 to 1997 he worked in Swissair in Zurich, Adria Airways in Zagreb and Ljubljana, Croatia Airlines in Zagreb and Frankfurt, as well as Croatia Reisen GmbH in Frankfurt. At the invitation of the Croatian government in 1990 he returned to Croatia and became one of the founders of Croatia Airlines, the Croatian national airline and deals with the most important managerial tasks and duties. Since 1997 he has been working at the Department of Tourism at the Faculty of Economics and Business, Zagreb. Appointed as a senior assistant in 1997, as a docent in 1998, as an associate professor in 2001, as a full-time professor in 2005 and as a full-time professor with tenure in 2010 in the field of social sciences, area of economics – trade and tourism. In the period from 2002 to 2006 he held the position of head of the Department of Tourism at the Faculty of Economics and Business Zagreb. Constantly improving his skills as well as participating in numerous national and international meetings, symposia and conferences; received and used two scholarships for advanced academic training abroad: at the Massachusetts Institute of Technology, Department of Aeronautics and Astronautics, Cambridge, Massachusetts, USA in 1995 and at the IESE – International Graduate School of Management, University of Navarra, Barcelona, Spain in 1999. Teaches the following courses at the Faculty of Economics and Business in Zagreb – "Transport Policy in Tourism" (undergraduate level), "Marketing Management in Tourism" and "Air Traffic Management" (graduate level), as well as "Strategic Marketing in Tourism" (doctoral level). At the specialist postgraduate program he teaches the courses "Managing Marketing Communications in Tourism", "Research Methods in Tourism", "Strategic Market Research" and "Strategy and Pricing Policy", as well as co-lecturing the "Marketing and Management of Tourist Services" course. Within the professional studies program, he

		is teaching the "Business enterprises in passenger transport" course. He has taught at undergraduate and postgraduate programs in tourism and marketing at the Faculty of Economics and Business in the University of Rijeka, at the Faculty of Economics and Business at the University of Split, and has significant international lecturing experience. In 1999 he was a guest lecturer for a graduate program at Rollins College, Graduate School of Business, Winter Park, Orlando, Florida, USA. From 1998 to 2004 he was head and lecturer at the summer school Alpen - Adria Sommeruniversitä, organized by the Vienna University of Economics and Business Administration, Vienna, Austria, which was held at Bol on the island Brač, as well as on the island Brijuni. In 2006 he was chosen by the Senate of the Faculty of Economics, University of Ljubljana, Slovenia to become a full-time guest professor for the courses "Marketing in Tourism" and "Management of Tourist Destinations" for a period of five years. He was later on re-appointed for the period between 2012 and 2017. In 2007 he spent six months at the University of Hawai'I at Manoa, School of Travel Industry Management, HI., USA, where he taught two courses on the undergraduate and graduate level – "Principles of Marketing Travel Industry" and "Transportation Management: Airline Marketing". In 2012 he was a visiting professor at the Faculty of Economics, University of Belgrade, and the University of Geneva, where he conducted the course "Managing a Travel Business" within the Executive MBA program Diploma of Advanced Studies in Airline Management, which is jointly organized by the University of Geneva (UNIGE) and the International Air Transport Association (IATA) in Montreal. In his research, the primary areas of his interest are marketing management (services, tourism, air travel, destination marketing), consumer behavior in tourism and measuring quality, satisfaction and loyalty, managing integrated marketing communications in tourism and interdependence of national transport policies and interdependence of national transport policies and tourism. Niche, secondary areas of his interests include marketing communication in tourism (the role of government organizations in marketing communications in tourism, the importance of promotion in the planning and management of tourism resources, effective planning of promotional activities on the country level and/or the individual offers at tourist destinations, image creation and strategy of brands in tourism, measuring the effectiveness of marketing communications in tourism) and business strategies and business models of airlines (the impact of

		business strategy on profitability, customer satisfaction, creating competitive advantage by airlines on selected markets, airlines and tourism policy). Author and co-author of more than 100 scientific and professional papers, including seven books. A member of the editorial board of the scientific journal Acta Turistica since 2001. Editor of the "Tourism" library of Masmedia publishing house in Zagreb since 2004. As his capacity as a director, program member and/or organization committee, he has participated in the preparation and implementation of numerous national and international conferences, as well as reviewed a significant number of publications for national and international journals. Constantly working on scientific research projects, participates in national and international conferences, as well as programs for educating managers in Croatian companies. Fluent in English, German and Slovenian. MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS - AIEST – Association Internationale d'Experts Scientifiques du Tourisme - UN World Tourism Organization Knowledge Network - UN World Tourism Organization Panel of Tourism Experts - TEFI – Tourism Education Futures Initiative - Croatian – Canadian Academic Society - IESE – IFDP – International Graduate School of Management (Barcelona); International Faculty Development Program Alumni Association - Croatian Scientific Society for Transport - CROMAR – Croatian Marketing Association - Association of University Professors and Other Scientists in Zagreb - Past President of the Rotary Club Zagreb - Gradec AWARDS AND RECOGNITIONS - 1998. – Homeland thanksgiving testimonial – a decision made by the President of the Republic of Croatia – Dr.Sc. Franjo Tuđman. - 2001. – "Mijo Mirković" award from the Faculty of Economics and Business in Zagreb for encouraging scientific research in the field of socio-economic sciences, for his textbook. - 2011. – "Mijo Mirković" award from the Faculty of Economics and Business in Zagreb for encouraging scientific research in the field of socio-economic sciences, for his university textbook.

		- 2012. – Annual national award for science in the field of social sciences for 2011, Croatian Parliament, July 2012. - 2013. – "Mijo Mirković" award from the Faculty of Economics and Business in Zagreb for encouraging scientific research in the field of socio-economic sciences, for his scientific paper.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor with tenure, 11.05. 2010.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Mikulić, J., Paunović, Z., Prebežac, D. (2012). An extended neural network-based importance-performance analysis for enhancing wine fair experience. *Journal of Travel and Tourism Marketing.* (accepted for publication). 2. Mikulić, J., Prebežac, D. (2012). Accounting for dynamics in attribute-importance and for competitor performance to enhance reliability of BPNN-based importance-performance analysis. *Expert Systems with Applications*. 39(5). 5144-5153. 3. Mikulić, J., Prebežac, D. (2012). Using dummy regression to explore asymmetric effects in tourist satisfaction: A cautionary note. *Tourism Management*. 33(3). 713-716. 4. Mikulić, J., Prebežac, D. (2011). Evaluating hotel animation programs at Mediterranean sun and sea resorts: An impact-asymmetry analysis. *Tourism Management*. 32(3). 688-696. >>>>Scopus Top 25 Most Downloaded Articles; Category: Business, Management and Accounting; Year 2011 5. Mikulić, J., Prebežac, D. (2011). Rethinking the importance grid as a research tool for quality managers. *Total Quality Management & Business Excellence*. 22(9). 993-1006. 6. Mikulić, J., Prebežac, D. (2011). A critical review of techniques for classifying quality attributes in the Kano Model. *Managing Service Quality*. 21(1). 46-66. >>>>Managing Service Quality Top 20 Most Downloaded Articles in 2011. 7. Mikulić, J., Prebežac, D. (2011). What drives passenger loyalty to traditional and low-cost airlines? A formative partial least squares approach. *Journal of Air Transport Management*. 17(4). 237-240. 8. Krešić, D., Prebežac, D. (2011). Index of destination attractiveness as a tool for destination attractiveness assessment. *Tourism*. 59(4). 497-517. 9. Bučar, K., Škorić, S., Prebežac, D. (2010). Codes of conduct in tourism and their impact on sustainable

		tourism. *Acta Turistica*. 22(2). 221-246. 10. Prebežac, D., Mikulić, J., Jurković, P. (2010). Passenger perceptions of airport service performance - A three-dimensional importance-performance analysis. *Acta Turistica*. 22(2). 161-177.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. From 2007 to 2014 – the head of (lead researcher) scientific research project "Market Research in the Development of Scientific Forms of Tourism in Croatia", at the Faculty of Economics and Business in Zagreb, project number 067-0672288-2492, a project approved and funded by the Ministry of Science, Education and Sports.

Nr.	Title, last name, First name of the teacher	**Full Prof., Prot Franjo, PhD**
1.	Leader of the course(s)	Research Methodology of Kinesiology (workshop)
2.	Associate teacher in course (s)	
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	pipo@kif.hr, franjo.prot@gmail.com
5.	Biography	Born on the 27th of June 1952. Graduated the Faculty of Physical Education in 1979. 1980 – a scientific research intern; 1981- assistant (Systematic Kinesiology); 1985 – Master of Science (Kinesiology); 1985 – appointed as research assistant and then re-appointed in 1991 (Basic Kinesiology Transformations and Systematic Kinesiology); 1996 – doctor of social and humanistic sciences in the field of kinesiology at the University of Zagreb; 1998 – docent (Systematic Kinesiology); 2001 – associate professor (Systematic Kinesiology, Basic Kinesiology Transformations); 2005 – full-time professor in the scientific field of Social Sciences, the area of educational sciences (Kinesiology) for the course Systematic Kinesiology. Published 235 scientific papers and articles, including 177 scientific and 58 professional papers in the areas of kinesiology, data analysis, psychology and biological anthropology. Mentor of doctoral and master's dissertations, as well as numerous graduate works. Co-author of four books (manuals), one of which is the standard textbook of the main program. He is an active researcher and consultant on projects for the Ministry of Science, Education and Sports of the Republic of Croatia; speaks and uses both English and Slovenian. Identification number of the scientist and researcher (Article 48 ZZID) is 99210. A member of a number of domestic and international scientific and professional associations. He presents the results of his scientific research at the postgraduate program of Psychology at the Faculty of Humanities and Social Sciences, University of Zagreb. Guest lecturer at the graduate school of kinesiology at the Faculty of Sports, University of Ljubljana in 2000, 2002 and 2004 for the course Anthropological Kinesiology, where he presented the topic of Stochastic models of motor skills. As a part of the postgraduate program (ECTS) of Kinesiology, he leads the course Scientific Research Methodology in Kinesiology. In the field of data analysis, he is leading 13 topics from the third tier credit groups that include all the relevant methods (models, algorithms and programs). Associate for the courses: Programming Transformation Processes and Structure and Development of

		Motor Skills. He achieved socially useful activity in sports; president of the Croatian Taekwondo Association and a vice president of the European Taekwondo Union (ETU); member of the Croatian Olympic Committee; president of the scientific ETU committee; vice president of the committee of the University TKD sport World Taekwondo Federation (WTF); awarded by both the WTF and ETU for the development of taekwondo.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full.Prof. 14.09.2010.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Prot Franjo (2010) Kinesiology . the science of movement in relation to educatio hygene and therapy - a pece of legacy of Nicolas Dally (1795-1862) for contemporary kinesiology scolars and professionals. Annales Kinesiologiae, 1(1), 7-28. 2. Bosnar Ksenija, Prot Franjo (2010) The robust alternative to standard validity approach. Annales Kinesiologiae, 1(2), 123-130. Prot Franjo (2010) On the validity of measurement in kinesiometrix context. Annales Kinesiologiae, 1(2), 113-121. 3. Bosnar, Ksenija, Prot, Franjo (2008) The development of sport interest factors in female adolescents INTERNATIONAL JOURNAL OF PSYCHOLOGY Volume: 43 Issue: 3-4 Pages: 130-130 Published: JUN-AUG 2008 4. Franjo Prot (2008): Latent structure of sport interests of female and male adolescents controlled for general attitude toward sports, achievement in sport and level of activity INTERNATIONAL JOURNAL OF PSYCHOLOGY Volume: 43 Issue: 3-4 Pages: 157-157 Published: JUN-AUG 2008 5. Prot, Franjo; Sporiš, Goran. Sistematska Kineziologija. Sveučilište u Zagrebu, Kineziološki fakultet, 1959-2009. Milanović, Dragan; (ur.). Zagreb: Kineziološki fakultet, 2009. 6. Prot, Franjo; Sporiš, Goran; Bosnar, Ksenija. Metodologija kineziologijskih istraživanja. Sveučilište u Zagrebu, Kineziološki fakultet, 1959-2009. Milanović, Dragan; (ur.). Zagreb: Kineziološki fakultet, Zagreb, 2009.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	

Nr.	Title, last name, First name of the teacher	**Rakovac Marija, PhD, MD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Variability in Physical Activity-Related Biological Properties Modelling Human Power Capacities
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	marija.rakovac@kif.hr
5.	Biography	Marija Rakovac was born on the 14th of November 1976. She graduated elementary school, elementary music school and the XVI high school in Zagreb. She enrolled in the School of Medicine, University of Zagreb, in 1995 and graduated it with excellency in 2001. She did her mandatory medical internship at the Clinical Hospital "Dubrava" and passed the national exam in October 2002. The same year she enrolled for her doctoral scientific program "Biomedicine and Health" at the School of Medicine, University of Zagreb and in 2006 she enrolled for her postgraduate specialization program "Occupational and Sports Medicine" at the School of Medicine, University of Zagreb. In 2003 she was employed as a research assistant at the Faculty of Kinesiology, University of Zagreb, where she participates in teaching the courses Functional Anatomy and Sports and Recreational Medicine. She participated in the Ministry of Science, Education and Sports projects "Osteoporosis – the Impact of Targeted Physical Activity" and "Epidemiology of Physical Activities in the Republic of Croatia" (head: prof.dr. Stjepan Heimer). Assistant for the project "Physiological Determinants of Success in Endurance Sports" (head: doc.dr. Davor Šentija). She has worked on projects of the World Health Organization and HEPA Europe (European network for the promotion of health-enhancing physical activity) in the field of health-oriented physical activity. Secretary of the international scientific journal "Kinesiology". Secretary of the Croatian Society for Sports Medicine within the Croatian Medical Association.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Research associate, 30.04.2013.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum	1. Pedišić Ž, Rakovac M, Titze S, Jurakić D, Oja P. Domain-specific physical activity and health-related quality of life in university students. Eur J Sport Sci 2013. DOI: 10.1080/17461391.2013.844861. 2. Rakovac M, Pedisic Z, Pranic S, Greblo Z, Hodak D. Sociodemographic and Lifestyle Correlates of Health-Related Quality of Life in Croatian University Students.

	(papers in scientific journals and scientific books, 5 – 10 publications)	Applied Research Quality Life 2013;8:493–509. 3. Šentija D, Rakovac M, Babić V. Anthropometric characteristics and gait transition speed in human locomotion. Hum Mov Sci 2012;31:672-82. 4. Rakovac M. Efficiency of interventions of primary health care providers in promoting physical activity in children and youth [In Croatian]. Paediatr Croat 2012;56(4):327-34. 5. Rakovac M, Smoljanović T, Bojanić I, Hannafin JA, Hren D, Thomas P. Body Size Changes in Elite Junior Rowers: 1997 to 2007. Coll Antropol 2011;35(1):127–31. 6. Pedišić Ž, Jurakić D, Rakovac M, Hodak D, Dizdar D. Reliability of the Croatian Long Version of the International Physical Activity Questionnaire. Kinesiology 2011;43(2):185-91. 7. Rakovac M, Bojanic I, Smoljanovic T. Recombinant human bone morphogenetic protein 2 labeled use in spinal surgery and sexual dysfunction. Surg Neurol Int 2011;2:55. Letter. 8. Smoljanovic T, Rakovac M, Bojanic I. Could chronic host inflammatory response be responsible for delayed onset of retrograde ejaculation after the labeled use of recombinant human bone morphogenetic protein-2? Spine J. 2011 Feb;11(2):167-8. Letter. 9. Smoljanovic T, Bojanic I, Rakovac M. Re: Sasso RC, Burkus JK, LeHuec JC. Retrograde ejaculation after anterior lumbar interbody fusion: transperitoneal versus retroperitoneal exposure. Spine (Phila Pa 1976) 2003;28:1023-6. Spine 2010;35(14):E622. Letter.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. From 2007 she is a research assistant on the Ministry of Sscience, Education and Sports project “Physiological Determinants of Success in Endurance Sports” No. 034-0342607-2279 lead by doc. dr. Davor Šentija at the Faculty of Kinesiology, University of Zagreb. 2. From 2007 she is a member of the Ministry of Sscience, Education and Sports project “Epidemiology of Physical Activities in the Republic of Croatia” No. 034-0000000-3359 lead by prof. dr. Stjepan Heimer.

Nr.	Title, last name, First name of the teacher	**Full Prof., Ružić Lana, PhD, MD**
1.	Leader of the course(s)	Physiological Limits of Human Performance
2.	Associate teacher in course (s)	Biological Mechanisms of Physical Activity Impacts on Chronic Disease Prevention Variability in Physical Activity-Related Biological Properties Objective Indicators of Muscle Damage, Fatigue and Overtraining Kinesiology and Health Promotion
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	lana.ruzic@kif.hr
5.	Biography	Lana Ružić was born on the 13th of May 1970. After graduating elementary and secondary school, she studies at the School of Medicine at the University of Zagreb, where she acquired the title of Doctor of Medicine (1988 – 1993). In 1997 she enrols for a research postgraduate program in the field of kinesiology at the Faculty of Kinesiology, University of Zagreb, which she graduates with her Master's thesis in the year 2000. In 2004 she acquires her doctoral degree at the School of Medicine, University of Zagreb. From 1995 to 1996 she works as a general practitioner at the Ministry of the Internal Affairs, as well as a doctor for transporting war casualties and sick ones to third countries in the international organization of the IOM. From 1996 to 1998 she worked as a medical consultant for health relared physical activities in the GL Fitness Line. Since 1998 she has been working at the Faculty of Kinesiology, University of Zagreb, Department of Sports Medicine and Exercise. Teaches the courses "Physiology of Sports and Exercise", "Physiology of Sports in Extreme Conditions" and "Fitness for people with chronic diseases". Appointed as assistant professor in 2006, associate professor in 2009 and full-time professor in 2013 in the field of Biomedicine and Health, the area of "Basic Medical Sciences", a branch of "Human Physiology" with a workplace at the Faculty of Kinesiology, University of Zagreb. Teaches at the postgraduate programs "Occupational and Sports Medicine" at the doctoral level of the Faculty of Kinesiology and "School Medicine" at the School of Medicine, University of Zagreb, where she is the leader of two courses. Currently she is the vice dean of science and head of the doctoral program at the Faculty of Kinesiology. She has published more than 100 different publications, 27 of which are scientific papers in journals indexed in Current Contents and Web of Science databases, numerous scientific papers in other journals and co-authored the book "Sports Physiology and Exercises" with prof. dr. sc. Branko

		Matković. Based on the data from the Web o Science Database, her papers have been cited 141 (as of 04.02.2014). Scientific and Professional Development 1994 – A course of Sports Medicine at the IOC organization (International Olympic Committee). 1997/8 – Croatian Society of Sports Medicine's basic and advanced postgraduate courses in Sports Medicine. 1998 – "Neuromuscular performance: Advanced research methods" – an intensive course organized by the European College of Sport Science for a period of 120 hours, University of Leuven, Belgium. 1999 – "Limiting factors of human neuromuscular performance" – an intensive course organized by the European College of Sport Science for a period of 120 hours, Department of Biology of physical activity and Neuromuscular research center, University of Jyvaskyla, Finland. 1999 –"Symposium: Laboratory and field exercise testing", Institute of Sport Science, Rome, Italy. 1999 – "3rd European Practicum on Clinical Exercise testing" Institute of Sport Science, Rome. 2001 – "Symposium: Performance: Testing in Laboratory and field", German Sport University, Cologne. 2002 – "Conoscere lo sport nella eta evolutiva" – a course organized by the Associazione Medico Sportiva Italiana, Firenze, Italia. 2003 – "Intensive Course: Functional evaluation of Physical Performance in elderly"– Institute of Sport Science, University of Salzburg. 2004 – Institut fur Sportwissenschaften, Innsbruck, September - October 2004.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor, 16.04.2013.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Soric M, Mikulic P, Misigoj-Durakovic M, Ruzic L, Markovic G. Validation of the Sensewear Armband during recreational in-line skating. *Eur J Appl Physiol*. 2012 Mar;112(3):1183-8. IF:2,214, CC 2. Ružić L, Tudor A. Risk-taking behavior in skiing among helmet wearers and non wearers. *Wilderness Environ Med*. 2011;22(4):291-6.IF:0,558 SCI 3. Tudor A, Ruzic L, Bencic I, Sestan B, Bonifacic M. Ski helmets could attenuate the sounds of danger. *Clin J Sport Med*. 2010 May;20(3):173-8.IF:2,110,CC 4. Tiozzo E, Leko G, Ruzic L. Swimming bodysuit in all-out and constant-pace trials. *Biology of Sport*, 2009:

		26(2);149-56.IF: 0.150, SCI 5. Prpić T, Tudor A, Ružić L, Šestan B, Čanaki M, Gulan G, Mađarević T, Legović D, Rakovac I. The influence of test repetition on bipodal visually controlled static and dynamic balance. *Collegium anthropol*ogicum. 34 (2010) , supp 1; 135-41. IF:0,420 ,CC 6. Tudor A, Ruzic L, Sestan B, Sirola L, Prpic T. Flat-footedness is not a disadvantage for athletic performance in children aged 11 to 15 years. *Pediatrics*. 2009;123(3):e386-92. IF:5,391, CC 7. Ruzic L, Sporis G, Matkovic BR. High volume-low intensity exercise camp and glycemic control in diabetic children. *J Paediatr Child Health* 2008 Mar;44(3):122-8.IF: 1,221, CC 8. Sporis G, Ruzic L, , Leko G. Effects of a New Experimental Training Program on VO_{2max} and Running Performance. *J Sports Medicine Phys Fitness*. 2008 Jun;48(2):158-65.IF: 0,923, CC 9. Mikulić P , Ružić L , Marković G. Evaluation of specific anaerobic power in 12-14 year-old male rowers. *J Sci Med Sports*. 2009 Nov;12(6):662-6. IF 5-god: 2,694, SCI 10. Mikulic P, Ruzic L. Predicting the 1000m rowing ergometer performance in 12-13-year-old rowers: The basis for selection process? *J Sci Med Sports*. 2008;11(2):218-25. IF 5-god: 2,694, SCI
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Head of the project of the Ministry of Science, Education and Sports, No. 034-3337 tittled "The Effect of Different Forms of Physical Activity on Diabetes Mellitus". 2. Head of the University of Zagreb project "ACTN3/R577X, ADRB2, ADRB3 and ACE Polymorphysms in Team Sports' Elite Athletes".

Nr.	Title, last name, First name of the teacher	**Full Prof., Sakoman Slavko, PhD, MD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Addictions – Early Interventions
3.	Home institution	University of Zagreb, under temporary service contract, Croatian programs, retired
4.	E-mail address	slavko.sakoman@gmail.com
5.	Biography	Born in 1947, a specialist in neuropsychiatry since 1976; specialized in deceases caused by addiction. Long-time head of the department for drug addictions, chairman of the Commission for Prevention of Drug Abuse in the Croatian Government, creator of the draft for National strategies for combating drug abuse adopted by the Croatian Government in 1996. Developed a system for prevention and treatment of drug in Croatia, lecturer at numerous universities, thesis mentor, wrote several books in the field of prevention and treatment of drug abuse. For the last 35 years in a row he has been carrying out the treatment of hundreds and hundreds of the most serious drug addicts.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor with tenure, 16.03.2010.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Sakoman S., Školski programi prevencije ovisnosti, Agencija za odgoj i obrazovanje, Zagreb, 2008. 2. Sakoman S., Suvremeni pristup liječenju opijatske ovisnosti, Referentni centar za ovisnosti o drogama MZSS, Zagreb, 2008. 3. Sakoman S. Suboxone u liječenju opijatskih ovisnika, Referentni centar za ovisnosti o drogama, Zagreb, 2009. 4. Ćurković S., Sakoman S., Sakoman M. Opijatska ovisnost i bavljenje sportom, Društvena istraživanja, (2009), (znanstveni, predan za tisak Uredništvu, u postupku recenzije)
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Project leader: “Substance Abuse in Croatia” (No. 6-06-302); 2. Project leader: “Quality of Family Life and the Risk of Drug Abuse Among Adolescents” (No. 3-01-214); 3. Research paper within a program of the Institute of Social Sciences “IvoPilar”; 4. 1997 – 2000 project leader – “Psychosocial and Pathological Structures and Phenomena in Croatian Society – an Interactive Approach”; 5. 2000 – 2002 project leader – “Interactive Approach to the Structure of Pathological Phenomena”; 6. 2000 – 2006 project associate – “Social Deviations and Antisocial Behavior – an Interactive Approach”;

		7. Project associate – "Reintegration of Croatian Soldiers and Their Families and Suffering Children from the War"; 8. 2007 – Project associate – "Determinants of Risk and Deviant Behavior in the National and Global Context"; Associate in the International projects: 1. Paneuropean School Survey on Alcohol and Drugs (ESPAD, 1995. Council of Europe and Croatian Institute for Public Health.) 2. A Randomized Acceptability and Safety Study of Suboxone Induction in Heroin users. 3. A Randomized Acceptability and Safety Study of the Transfer from Subutex to Suboxone in Opoid-Dependend Subjects - The SWITCH Study, 2008-2009 (head of the research team for the Republic of Croatia in the international scientific clinical researches 2 and 3).

Nr.	Title, last name, First name of the teacher	**Full Prof., Sekulić Damir, PhD**
1.	Leader of the course(s)	Development of Physical Conditioning Abilities
2.	Associate teacher in course (s)	Assessment and Evaluation of Motor Abilities Assessment and Evaluation of Functional Abilities Research on Athlete Characteristics Research on Transformation Processes in Sport
3.	Home institution	University of Split, Faculty of Kinesiology
4.	E-mail address	dado@kifst.hr
5.	Biography	Born on the 1st of November 1970. Education: - 2000-2001, Faculty of Kinesiology, Zagreb, Ph.D. - 1997-1999, Faculty of Kinesiology, Zagreb, Postgraduate Program (M.Sc.) - 1989-1996, Faculty of Physical Education, Zagreb, Graduate Program (prof. Physical Education) Working experience: - 2009-, Faculty of Kinesiology, Split, full-time professor - 2006-2009, Faculty of Kinesiology, Split, associate professor - 2003-2006, Faculty of Science, Split, docent - 1998-2003, Faculty of Science, Split, assistant Courses and training: - University of Ljubljana, Faculty of Sports, 2010 (ERASMUS program)
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor, December 2009.
7	List of	1. Peric M, Cavar M, Zenic N, Sekulic D, Sajber D (2014) Predictors of

.	publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	competitive achievement among pubescent synchronized swimmers: an analysis of the solo-figure competition. Journal of Sports Medicine and Physical Fitness, 54(1):16-26 2. Sekulic D, Spasic M, Mirkov D, Cavar M, Sattler T (2013) Gender-specific influences of balance, speed, and power on agility performance. Journal of Strength and Conditioning Research, 27(3) 802-811. 3. Kondric M, Zagatto MA, Sekulic D (2013) The physiological demands of table tennis: A review. Journal of Sports Science and Medicine, 12(3) 362-370. 4. Sajber D, Peric M, Spasic M, Zenic N, Sekulic D (2013) Sport-specific and anthropometric predictors of synchronised swimming performance. International Journal of Performance Analysis in Sport, 13(1) 23-37. 5. Gabrilo G, Ostojic M, Idrizovic K, Novosel B, Sekulic D (2013) A retrospective survey on injuries in Croatian football/soccer referees. BMC Musculoskeletal Disorders, 14-88. http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitationReport&qid=4&SID=N2C6MdHoioeJ5mmGCmp&page=1&doc=1 Kondric M, Uljevic O, Gabrilo G, Kontic D, Sekulic D (2012) General anthropometric and specific physical fitness profile of high-level junior water polo players Journal of Human Kinetics, 32 (1), 157-165.
8.	The List of scientific and artistic projects in which the course leader participated in the last	Domestic: 1. 2008-2013, ”Field and Sotiation-specific Measurements Instruments in Kinesiology”, Ministry of Science Education and Sports (leader). International: 1. 2011-2012, Substance use and misuse in adolescents from Herzegovina-Neretva Canton in Bosnia and Herzegovina; Federal Ministry of Science of Bosnia and Herzegovina (2011-12) – researcher. 2. 2012-2013, Characterization and detection of prolonged endhotelin receptors antagonists administration, World Anti-Doping Agency – researcher.

	five years, and which are relevant for the field of the doctoral programme	

Nr.	Title, last name, First name of the teacher	**Full Prof., Sertić Hrvoje, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Research on Transformation Processes in Sport
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	hrvoje.sertic@kif.hr
5.	Biography	Hrvoje Sertić was born on the 8th of September 1963 in Zagreb, where he finished elementary and high school. He graduated the Faculty of Physical Education in 1988. He enrolled for a postgraduate program at the same university and obtained his Master of Science degree in 1994. The first "Doctor of Judo" in Croatia – the first one to obtain the title of social sciences PhD in the field of educational sciences – kinesiology, defended his doctoral dissertation on the topic of Judo on the 19th of May 2000 – "The effects of some motor, anthropometric and conative variables on success in a fights, speed of learning and quality of execution of throwing techniques in judo". Practices judo since 1972. Holder of the master rank 6 (red and white belt) which he was promoted to on the 3rd of February 2006. During his competitive career he has been a multiple champion for Croatia and former Yugoslavia, and competed for both national teams. Won series of tournament medals on both domestic and international level. He was the captain of the first Croatian judo national team at the tournament in Italy on the 17th of February 1991. His last appearance for the Croatian national team in judo was at the first World Military Games in 1995, Rome (Italy). From 1994 to 2000 he held several functions as a manager and head coach of junior and senior male and female Croatian teams. Currently the manager and head coach of the student Croatian national team and a president of the Professional Coaching Committee of the Croatian Judo Federation (since 2000), the Zagreb Judo Federation (since 2000) and the Zagreb Karate Federation (since 2012). In 1999 Hrvoje Sertić was awarded with a diploma and a gold badge for the advancements he has made in the profession – a highly respectable recognition given to him by the Croatian Association for Physical Education Teachers and another recognition in 2001 – by the Zagreb Judo Union and the Croatian Judo Federation for being the first PhD to defend a topc in the field of judo as well as for an outstanding contribution to the development of judo for its 50th anniversary (2011). At the First scientific congress on Judo 2008 (10.04.2008,

		Lisbon) organized by the European Judo Federation, he receives first prize for the best work, competing with Podium (oral) presentations. The same year he was invited as one of the nine introduction speakers at the opening of the World Scientific Symposium about judo organized by the International Judo Federation (IJF). Author of the textbook "Fundamentals of Martial Arts" which is used as a mandatory reading for the courses of judo and wrestling sports at the Faculty of Kinesiology, University of Zagreb. He has also published a manual for judo, entitled "The basics of Judo" in 2013. Currently holds the position of a president of the Professional Coaching Committee of the Croatian Judo Federation and is a member of the Professional program committee of the Zagreb Sports Association. In the field of science and teaching he is a full-time professor with tenure (15.01.2013). Published over one hundred and fifty scientific papers in the field of judo and martial arts. Guest lecturer at the Faculty of Sports, University of Ljubljana, Slovenia for the course Wrestling Sports; guest lecturer at the Faculty of Sports and Physical Education, University of Sarajevo, also in the field of Wrestling Sports; five years leader of the courses Wrestling Sports 1 and Wrestling Sports 2 at the Faculty of Science and Education, field Physical Culture in Mostar. Mentored five doctoral dissertations, six masters and over 160 graduate theses fir university and polytechnic programs. He was the leader and head-researcher for a scientific research project approved and funded by the Ministry of Science, Education and Sports, "Monitoring the Anthropologic Status Changes of Children in Wrestling Sports." In addition to the regular teaching of Judo and Wrestling Sports at the undergraduate university programs, participates in teaching at postgraduate programs at the Faculty of Kinesiology in Zagreb and the Faculty of Sports and Physical Education in Sarajevo, as well as teaching courses at the professional level which are organized by the Department of Training of Trainers at the Faculty of Kinesiology. 1999-2001 – Vise-head of the Department of Sports Kinesiology. From 2001 holds the position of vice-dean for academic and student affairs at the Faculty of Kinesiology, University of Zagreb for two mandate periods – 2001/2002 and 2002/2003 and was later re-appointed at the same position – mandate 2004/2005. In 2005 worked as a vice head of the OIT Social Science Polytechnic and on 2009 became an acting head of the OIT

		Social Science Polytechnic. In the academic 2011/2012 he was appointed as the head of the Department of Training of Trainers at the Faculty of Kinesiology. He is a member of the executive board of the EUPEA (European Physical Education Association) as a scientific advisor (for three years during his last mandate) and currently (as of 2011) as a representative for South Eastern Europe. He is fluent in both Italian and English.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor with tenure, 15.01.2013.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Sterkowicz, S., Rukasz, W., Weiss, P., Sertic H. (2008). Wellness in male and female versus judo training (a pilot study) Archives Of Budo Vol. 4; pp 50-55. 2. Sertić, H., Sterkowicz, S., Vuleta, D. (2009). Influence of latent motor abilities on performance in judo. Kinesiology, Vol. 41 (1); 76-87 3. Sertić, H., Segedi, I., Cvetković, Č., Baić, M. (2008). Influence of a programmed judo training on changes of anthropological features in children attending sport schools. IDO-Movement for Culture, Vol. 9(1); 181-189. 4. Sertić, H., Vidranski, T., Segedi, I. (2011). Construction and Validation of a Measurement Instrument for Evaluation of Specific Agility in Karate. IDO-Movement for Culture, Vol. 11(1); 37-41. 5. Sertić, H., Segedi, I., Prskalo, I. (2010). Dinamika razvoja antropoloških obilježja tijekom dvogodišnjeg perioda kod nesportaša, dječaka koji se bave momčadskim športovima i judaša. Napredak, Vol.151 (3-4);466-481. 6. Karinčić, H., Baić, M., Sertić, H. (2011). Comparasion of lactate curves in a wrestling match at the beginning and at the end of competition period for elite Croatian Greco-Roman wrestlers. IDO-Movement for Culture, Vol. 11(4); 37-44. 7. Sertić, H., Segedi, I., Trošt, T. (2012). Sportske ozljede u Judu. Hrvatski Športskomedicinski Vjesnik. 26: 71-77. 8. Sertić, H., Segedi, I., Vidranski, T. (2012). Situational efficiency of arm and leg techniques in a karate fight of top-level female karate competitors. IDO-Movement for Culture, Vol. 12(2); 44-49. 9. Sertić, H., Segedi, I. (2012). Structure of importanceof techniques of throws in differnt age groups in men judo. Journal of Combat Sports and Martial Arts, 1(2), Vol. 3, 59-62
8.	The List of scientific and artistic projects in which the	1. Leader and head-researcher for a scientific research project approved and funded by the Croatian Ministry of

	course leader participated in the last five years, and which are relevant for the field of the doctoral programme	Science, Education and Sports, "Monitoring the Anthropologic Status Changes of Children in Wrestling Sports" (last publication of results in 2008, also the last year of funding).

Nr.	Title, last name, First name of the teacher	**Sorić Maroje, PhD, MD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Biological Mechanisms of Physical Activity Impacts on Chronic Disease Prevention Variability in Physical Activity-Related Biological Properties Athlete Diet: Dietary Methods and Nutrition Quality Assessment
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	masoric@kif.hr
5.	Biography	Maroje Sorić was born in 1979 in Zagreb. He graduated the School of Medicine in Zagreb in 2003 with a grade point average of 4.83.In 2010 - at the same faculty he obtained a doctorate in Biomedicine and Health, the field of Public Health and Healthcare, Public Health sector. From 2003 to 2004 he had his mandatory internship in the "Establishment for emergency medical assistance Zagreb". Since 2005 works at the Department of Sports Medicine at the Faculty of Kinesiology, University of Zagreb as a research assistant with an associate status of senior assistant for the projects of prof.dr.sc. Marijeta Mišigoj-Duraković. From 2005 to 2007 works on the project "The Impact of Physical Activity on the Organism's Somato-functional and Health Status", and since 2007 on "The Significance of Physical Activity Levels in the Prevention of Chronic Cardiovascular Diseases", supported by the Croatian Ministry of Science, Education and Sports. In addition to the above mentioned projects, he is currently participating in the project of the Fund for the Development of University of Zagreb "Patterns of physical activity in normal weight and overweight 11-year-old children". Participates in teaching of three regular courses of the integrated undergraduate and graduate program of kinesiology (Biological Kinanthropology, Sports and Recreational Medicine and Sports Medicine) as well as two elective courses. Also participates in teaching the elective course Sports Cardiology at the School of Medicine, University of Zagreb, as well as post-graduate courses from the "School Medicine" and "Occupational and Sports Medicine" programs at the School of Medicine, University of Zagreb. During his undergraduate studies he was awarded two national scholarships for talented students for the academic years 1998/99 and 1999/2000, and three scholarships from the city of Zagreb for gifted students for the academic years 2000/01, 2001/02 and 2002/03. He is the author of 17 scientific papers published in its entirety, 12 of which published in journals indexed in the Web of Science database. According to the WOS, his works have been cited 18 times

		(H-index = 2). He has actively participated in the organization of numerous domestic and international scientific and professional conferences as a member of the program committee. He is a secretary of the internationally indexed journal "Croatian Sports Medicine Journal" and reviewer in several CC journals (Annals of Nutrition and Metabolism, International Journal of Sport Nutrition & Exercise, BMC Public Health). During 2002 he spent six weeks in the Nottingham City Hospital (Nottingham, UK) within the Clinic for Internal Medicine under the supervision of prof. dr. D.J. Hosking. During 2006 he finished the several days course of Spiroergometry Testing "11th Practicum on Exercise Testing and Interpretation" in London (UK).
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Research assistant, 05.12. 2012.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Soric M, Jembrek Gostović M, Gostović M, Hočevar M, Misigoj-Durakovic M. Tracking of BMI, fatness and cardiorespiratory fitness from adolescence to middle adulthood: the Zagreb Growth and Development Longitudinal Study. Ann Hum Biol, 2012. 31(1):139-51 2. Orepic P, Mikulic P, Soric M, Ruzic L, Markovic G. Acute physiological responses to recreational in-line skating in young adults. *European Journal of Sport Science*, 2014;14 Suppl 1:S25-31 3. Soric M, Turkalj M, Plavec D, Kucic D, Marusic I, Misigoj-Durakovic M. Validation of a multi-sensor activity monitor for assessing sleep in children and adolescents. *Sleep Medicine* 2013; 14(2):201-205. 4. Kovač M, Strel J, Jurak G, Leskošek B, Dremelj S, Kovač P, Mišigoj-Duraković M, Sorić M, Starc G. Physical Activity, Physical Fitness Levels, Daily Energy Intake and Some Eating Habits of 11-Year-Old Children. *Croatian Journal of Education* 2013; 15 (S1):127-139. 5. Sorić M, Starčević N, Mišigoj-Duraković M. Changes in body mass index and subcutaneous fat among 11-year-old children in Zagreb (Croatia), 1982-2006. *Paediatria Croatica.* 2012; 56(4):309-313. 6. Misigoj-Durakovic M, Bok D, Soric M, Dizdar D Durakovic Z, Jukic I. The Effect of Cigarette Smoking History on Muscular and Cardio-Respiratory Endurance. *Journal of Addictive Diseases* 2012; 31(4):389-96. 7. Sorić M, Mišigoj-Duraković M,Duraković Z. Exercise-related cardiovascular risks [in Croatian]. Arhiv za higijenu rada i toksikologiju 2012; 63(Suppl. 3):95-101. 8. Mišigoj-Duraković M, Sorić M, Duraković Z. Physical

		activity and cardiovascular diseases. Arhiv za higijenu rada i toksikologiju 2012; 63 (Suppl. 3):13-21. 9. Soric M, Mikulic P, Misigoj-Durakovic M, Ruzic L, Markovic G. Validation of the Sensewear Armband during recreational in-line skating. *European Journal of Applied Physioyl*. 2012; 112(3):1183-8. 10. Soric M, Misigoj-Durakovic M. Physical activity levels and estimated energy expenditure in overweight and normal-weight 11-year-old children. *Acta Paediatrica* 2010; 99(2):244-250.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. 2007. - 2013 a project by the Croatian Ministry of Science, Education and Sports – "The Significance of Physical Activity Levels in the Prevention of Chronic Cardiovascular Deseases", led by prof.dr.Marjeta Mišigoj-Duraković 2. 2012/2013 a project by the University of Zagreb – " Patterns of physical activity in normal weight and overweight 11-year-old children", led by prof.dr.Marjeta Mišigoj-Duraković 3. 2005. - 2007. a project by the Croatian Ministry of Science, Education and Sports – " The Impact of Physical Activity on the Organism's Somato-functional and Health Status", led by prof.dr.Marjeta Mišigoj-Duraković

Nr.	Title, last name, First name of the teacher	**Assoc. Prof., Sporiš Goran, PhD**
1.	Leader of the course(s)	Research Methodology of Kinesiology (workshop)
2.	Associate teacher in course (s)	Research on Transformation Processes in Sport Research on Athlete Characteristics
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	gsporis@kif.hr
5.	Biography	Goran Sporiš was born on the 9th of June 1979 in Zagreb. Graduated the Šestine elementary school in Zagreb. Graduated II. Gymnasium in Zagreb, 1998. Enrolls at the Faculty of Kinesiology, University of Zagreb in 1998 and graduates on the 30th of January 2003. Obtains his doctorate on the 24th of September 2007. On the 23rd of May 2013 he was appointed at the academic position of associate professor for the course of Systematic Kinesiology and Research Methodology of Kinesiology at the Faculty of Kinesiology, University of Zagreb. He was a mentor of two doctoral dissertations. Scientific activities: participated as a researcher on the project No. 34-0342618-222 (from 2007), "Development of algorithms for testing multivariate structural hypotheses", led by prof. dr. sc. Franjo Prot, financed by the Croatian Ministry of Science, Education and Sports. He has also worked on the project "The Effect of Different Forms of Physical Activity on Diabetes Mellitus" No. 034-0000000-3337 led by prof.dr.sc. Lana Ružić. The main research topics he is interested in are analysis of sports performance, score analysis, scientific research in the field of kinesiology, management in the field of sports and physical education, football – teaching, coaching, testing elite athletes, growth and development relation to athletic performance, as well as science in football. Goran Sporiš is a reviewer of 15 international journals indexed in WOS. He has also published 34 papers in the Web of Science. International activity: International activities include guest lecturing at universities in Europe, seminars, conferences and intensive programs of the European Union such as the International Christmas Sport Conference, Szombathely, 2008, 2009, 2010, 2011.2012; University of Middlesex, UK; University of Wales, UK; University of Canberra, Australia; ERASMUS intensive program "Performance Analysis Course", April 2010, 2011, 2012. Goran Sportiš also conducts international scientific researches by collaborating with the Universities in West Hungary Institute of Sports Sciences, as well as the University of Middlesex in the field of sports performance analysis – football. It is also important to note Goran's valuable contribution in the organization and execution of the

		5th, 6th and 7th international conferences on Kinesiology, held in 2008, 2011 and 2014, organized by the faculty of Kinesiology, University of Zagreb; He was the secretary of the Program Committee of both conferences and an editor of the conference proceedings in 2011, Poreč. Actively collaborates with other scientists from the Faculty of Sports at the University of Ljubljana, the Faculty of Sports and Physical Education at the University of Sarajevo, as well as the University of Primorska at Koper, on the development of joint scientific publications and the realization of joint research projects.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Associate professor, 23.05.2012.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Sporiš, G., Jovanović, M., Omrčen, D. and Matković, B.(2011). Can the official soccer game be considered the most important contribution to player's physical fitness level?. Journal of sports medicine and physical fitness, 51(3), 374-380. 2. Sporiš, G., Vučetić, V., Jukić, I., Omrčen, D., Bok, D. and Čustonja, Z.(2011).How reliable are the equations for predicting maximal heart rate values in military personnel?. Military medicine, 176 (3), 347-351. 3. Ružić, L., Sporiš, G. and Matković, B.(2008). High volume-low intensity exercise camp and glycemic control in diabetic children. Journal od Pediatrics and Child Health, 44 (3), 122-128. 4. Sporiš, G., Ružić, L. and Leko, G.(2008). Effects of a new experimental training program on VO2 max and running performance. Journal of sports medicine and physical fitness, 48 (2), 158-165. 5. Milanović, Z., Sporiš, G., Trajković, N., James, N. and Šamija, K.(2013). Effects of a 12 week saq training programme on agility with and without the ball among young soccer players. Journal of Sports Science and Medicine, 12(1), 97-103. 6. Vučković, G., James, N., Hughes, M., Stafford, M., Sporiš, G. and Perš, J.(2013). The effect of court location and available time on the tactical shot selection of elite squash players. Journal of Sports Science and Medicine, 1(12), 66-73. 7. Tomac, Z., Hraski, Ž. and Sporis, G.(2012). The assessment of preschool children's motor skills after the familiarization with motor test. Journal of strength and conditioning research. 26(7), 1792-1800. 8. Sporis, G., Vucetic, V., Jukic, I., Jovanović, M. and Omrčen, D.(2011). Reliability and Factorial Validity of

		Flexibility Tests for Team Sports. Journal of Strength and Condition Research, 25(4), 1168-1176. 9. Milanović, Zoran; Pantelić, Saša; Trajković, Nebojša; Sporiš, Goran; Kostić, Radmila; James, Nic. Age-Related Decrease in Physical Activity and Functional Fitness Among Elderly Men and Women. // Clinical Interventions in Aging. 8 (2013) , 8; 549-556 10. Tomić, Vlatka; Sporiš, Goran; Tomić, Jozo; Milanović, Zoran; Zigmundovac-Klaić, Djurdja; Pantelić, Saša. The effect of maternal exercise during pregnancy on abnormal fetal growth. // Croatian medical journal. 54 (2013)
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Associate for the project No. 034-0342618-222 (from 2007) "Development of algorithms for testing multivariate structural hypotheses", led by prof. dr. sc. Franjo Prot, financed by the Croatian Ministry of Science, Education and Sports. 2. Associate for the project "The Effect of Different Forms of Physical Activity on Diabetes Mellitus" No. 034-0000000-3337 led by prof.dr.sc. Lana Ružić 3. ERASMUS intensive program "Performance Analysis Course"

Nr.	Title, last name, First name of the teacher	**Šalaj (b. Šimek) Sanja, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Research on Transformation Processes in Sport Research on Athlete Characteristics Assessment and Evaluation of Motor Abilities Assessment and Evaluation of Functional Abilities Development of Physical Conditioning Abilities Prevention of Injuries in Children and Young Athletes
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	sanja.salaj@kif.hr
5.	Biography	Born on the 24th of September 1978 in Zagreb. A Croat. Married with two children. Education: Graduated the Faculty of Kinesiology, University of Zagreb in 2002 with her thesis "Women Weights Training". In 2006 obtained her Master's degree at the Faculty of Kinesiology, University of Zagreb with her thesis "Changes in the Results of Tests for Motor Skills Assessment Under the Influence of Proprioceptive Training". Obtained her Ph.D. 2011 with her thesis "Bilateral strength deficits of lower extremity: the impact of fatigue, speed and type of muscle contraction". Scientific work: So far she has published over twenty scientific papers in A1 and A2 category, one of which is published in second quartile (Q2) in sports sciences ISI web of knowledge category (Cited 14 times). Editor of nine proceedings books of scientific-professional conferences. She had twenty-three invited lectures on various scientific and professional topics. Peer-reviewer in scientific journal Kinesiology. Participates in teaching in postgraduate professional programs at the Faculty of Kinesiology and School of Medicine University of Zagreb. Participated and organized numerous international scientific and professional conferences. President of Association for the Promotion of Science and Education of Physical exercise and Sport. Editorial work and conference organization: Editor of the professional journal Physical training since 2003. She has participated in the organizational committees of several conferences: Status and Perspectives of Sports in Zagreb in 2001, Supplemental activities for sports training in 2002, Conditional Training of Athletes (2003, 2004, 2005 i 2006, 2007, 2009, 2010, 2011, 2012, 2013), International Scientific Conference on Kinesiology (2005, 2008, 2011). Awards: In 2005 she won the award for young researchers at the 4th International Conference "Kinesiology – New Perspectives"

		in Opatija, Croatia. Sports and coaching activities: Practiced judo and was a member of the Croatian national team. From 2003 she worked as a conditional coach of women's basketball cadet team as well as the basketball clubs Montmontaža (2004) and Agram (2005 – 2008).
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Research assistant, 19.12. 2011.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Salaj, S., Markovic, G. (2011). Specificity of Jumping, Sprinting, and Quick Change-of-Direction Motor Abilities. Journal of Strength and Conditioning Research 25(5): 1249-1255. 2. Markovic, G., Simek, S., Bradic, A. (2008). Are acute effects of maximal dynamic contractions on upper-body ballistic performance load specific? Journal of Strength and Conditioning Research 22(6): 1811-1815. 3. Milanović, D., Šalaj, S. i Gregov, C. (2012). Opća kondicijska priprema u funkciji zaštite zdravlja sportaša. Arhiv za higijenu rada i toksikologiju, 63, Suppl. 3, 103-119. 4. Šalaj, S., Gregov, C., Sovina, L. (2011). Effects of concentric training on power and change-of-direction speed. Proceedings book of 6th International scientific Conference on Kinesiology (Milanović, D., Sporiš, G. (ur.)). Zagreb: University of Zagreb, Faculty of Kinesiology, 439-445. 5. Gregov, C., Šalaj, S., Milanović, D. (2011). Changes in power measurements influenced by a medicine ball ballistic training program. 6th International scientific Conference on Kinesiology. Milanović, Dragan; Sporiš, Goran (ur.). Zagreb: University of Zagreb, Faculty of Kinesiology, 2011. 439-445.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Associate for the project of the Croatian Ministry of Science, Education and Sports "Programming transformation processes for the development of fitness characteristics" led by dr.sc Dragan Milanović up until 2007; from 2007 to 2013- condition training modeling and evaluation 034-034262609, Croatian Ministry of Science, Education and Sports. 2. Project of the Croatian Ministry of Defence and and the Faculty of Kinesiology, University of Zagreb "Researching Human Resources and Potential" carried out from 2008 until 2012.

Nr.	Title, last name, First name of the teacher	**Assoc. Prof., Šarabon Nejc, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Assessment and Evaluation of Motor Abilities Assessment and Evaluation of Functional Abilities Development of Physical Conditioning Abilities Human Movement Control – Neurophysiological Aspects
3.	Home institution	University of Primorska, Koper
4.	E-mail address	nejc.sarabon@s2p.si
5.	Biography	Born on the 31st of July 1976 in Kranj, Slovenia, where he finished his elementary and secondary school. Started practicing alpine skiing at the age of 6 and continued training until13. At the age of 14 he started practicing wrestling sports and played for the Slovenian national karate team for three years. After finishing secondary school he enrolled in the Faculty of Sports at the University of Ljubljana. Simultaneously with this program he also enrolled at the Faculty of Health Science – department of Physical Therapy. Because of his excellent record track, he received four awards by the Faculty of Sports: three awards "Rok Petrovič" and one "Jože Šturm". In 2000 he graduated the Faculty of Sports, field of Biomechanics with his thesis "Comparison of the Mechanical and Electrophysiological Characteristics of Surae Triceps Muscles on Left and Right Legs". After graduating he accepts the offer from professor Strojnik and becomes a junior researcher for the scientific project "Biology of human effort". In 2002 he graduated from the Faculty of Health Science with his thesis "Predicting Jump Parameters from Crouching Position on the Basis of the Results of Various Tests for Muscle Strength". Extensively studied foreign languages – completed international courses for both English and German. In 2002 visited the German Sports Research Institute in Frankfurt, where I studied vibration of the whole body and its effect on certain mechanisms of motor control. Since 2001 he is actively involved in research work at the Institute for Clinical Neurophysiology at the Ljubljana Medical Centre, under the mentorship of dr. Dimitrijević and dr. Zidar. In late 2005 he finished his doctorate program at the same institute with his thesis "The Effects of Proprioceptive and Exteroceptive Stimuli on the functional status of the human motor cortex", thus receiving becoming a Doctor of Science in the field of anthropologic kinesiology. During his doctoral program he published a number of domestic and international scientific and professional papers. He is winner of four awards for scientific papers presented at international congresses. After finishing his sports career, he is involved in sports training as a condition and injury prevention coach for elite Slovenian and Croatian athletes in different sports

		(karate, handball, basketball, swimming, ski jumping, sailing and tennis), as well as a call-up coach for their respective national sports unions. In the last 5 years he have published 48 scientific papers, 4 professional ones, more than 50 at conferences and has registered 20 technical innovations and patents.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Associate professor, 01.03.2013.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. ŠARABON, Nejc, MARKOVIĆ, Goran, MIKULIĆ, Pavle, LATASH, Mark L. Bilateral synergies in foot force production tasks. Experimental Brain Research, ISSN 0014-4819, 2013, vol. 227, iss. 1, str. 121-130. 2. ŠARABON, Nejc, ROŠKER, Jernej. Effect of 14 days of bed rest in older adults on parameters of the body sway and on the local ankle function. Journal of electromyography and kinesiology, ISSN 1050-6411. [Print ed.], 2013, in Press, str. 1-7. 3. ŠARABON, Nejc, PANJAN, Andrej, ROŠKER, Jernej, FONDA, Borut. Functional and neuromuscular changes in the hamstrings after drop jumps and leg curls. Journal of Sports Science and Medicine, ISSN 1303-2968. [Online ed.], 2013, vol. 12, no. 3, str. 431-438. 4. SIMIĆ, Luka, ŠARABON, Nejc, MARKOVIĆ, Goran. Does pre-exercise static stretching inhibit maximal muscular performance? : a meta-analytical review. Scandinavian journal of medicine & science in sports, ISSN 0905-7188, 2013, vol. 23, iss. 2, str. 131-148. 5. ŠARABON, Nejc, FONDA, Borut, MARKOVIČ, Goran. Change of muscle activation patterns in uphill cycling of varying slope. European journal of applied physiology, ISSN 1439-6319. [Print ed.], 2012, vol. 112, no. 7, str. 2615-2623.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Associate researcher at the Interreg project Slovakia-Austria titled “MOBIL”, which deals with improving the mobility of the elderly, preventing falls and other aspects of care (2009 – present). 2. Associate researcher at the Interreg project Slovenia-Italy titled “PanGea”, which deals with the transfer of science into practice in order to improve the quality of life of the older people and their better integration into society (2011 – present). 3. Head of the national project entitled “Stabilization functions of the upper body in preventing back pain” (2011 – present).

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Šatalić Zvonimir, PhD**
1.	Leader of the course(s)	Athlete Diet: Dietary Methods and Nutrition Quality Assessment
2.	Associate teacher in course (s)	
3.	Home institution	University of Zagreb, Faculty of Food and Biotechnology
4.	E-mail address	zsatalic@pbf.hr
5.	Biography	Zvonimir Šatalić was born in Zadar in 1975. In 1994 he enrolled in the Faculty of Food and Biotechnology. For the 40th Anniversary of the faculty in 1996, he received recognition for his achievements during the program. He did his undergraduate internship in 1998 at the University of Campinas, Sao Paulo, Brazil. He graduated in 2000 with his thesis entitled "Eating habits and food intake in children and adolescents according to gender and recommendations". In 2002 he enrolled in the postgraduate research program Nutrition and graduated it in 2004 after successfully defending his Master's thesis "Eating habits and diet quality of the student population in the Republic of Croatia". Received support in 2002 and a reward in 2005 by the Biotechnical Faculty Foundation. At the Faculty of Agriculture, University of Zagreb, as a student of the Executive MBA Training in Agribusiness and Commerce in 2007, successfully defended his final work entitled "Development and Validation of a Short Food Frequency Questionnaire for Dietary Calcium Intake". In 2009 he defended his dissertation titled "A Vegetarian Diet, Nutritional Status of B Vitamins and Homocysteine as risk factors for Developing Osteoporosis". Awarded for exemplary work by the faculty in 2011. He is the editor of the book "100 (and a few more) Tips from Food Science" (2013) published by the Croatian Society of Food Technologists, biotechnologists and nutritionists.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Assistant professor, 23.11.2011.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. M. Bolarić, Z. Šatalić (2013) The relation between food price, energy density and diet quality. Croat J Food Sci Technol 5: 1-7. 2. R. Novaković, A. E. Cavelaars, G. E. Bekkering, B. Roman-Viñas, J. Ngo, M. Gurinović, M. Glibetić, M. Nikolić, M. Golesorkhi, M. W. Medina, Z. Šatalić, A. Geelen, L. S. Majem, P. Van't Veer, L. C. de Groot (2013) Micronutrient intake and status in Central and Eastern Europe compared with other European countries, results from the EURRECA network. Public Health Nutr 16:

		824-840. 3. J. Bobić, S. Cvijetić, I. Colić Barić, Z. Šatalić (2012) Personality Traits, Motivation and Bone Health in Vegetarians. Coll Antropol 36: 795-800. 4. S. Cvijetić, I. Colić Barić, Z. Šatalić (2010) Influence of heredity and environment on peak bone density: a parent-offspring study. J Clin Densitom 13: 301-306. 5. I. Rumbak, Z. Šatalić, I. Keser, I. Panjkota Krbavcić, Z. Giljević, Z. Zadro, I. Colić Barić (2010) Diet quality in elderly nursing home residents evaluated by Diet Quality Index Revised (DQI-R). Coll Antropol 34: 577-585. 6. I. Colić Barić, Z. Šatalić, Ž. Pedišić, V. Žižić, I. Linarić (2009) Validation of the folate food frequency questionnaire in vegetarians. Int J Food Sci Nutr 60(Suppl 5): 88-95. 7. I. Colić Barić, Z. Šatalić, I. Keser, I. Cecić, M. Sučić (2009) Validation of the folate food frequency questionnaire with serum and erythrocyte folate and plasma homocysteine. Int J Food Sci Nutr 60(Suppl 5): 10-18. 8. Z. Šatalić, I. Colić Barić, I. Keser (2008) Dairy consumption and other dietary risk factors for osteoporosis in Croatian young women. Mljekarstvo 58: 327-339. 9. Z. Šatalić, I. Colić Barić, I. Cecić, I. Keser (2007) Short food frequency questionnaire can discriminate inadequate and adequate calcium intake in Croatian postmenopausal women. Nutr Res 27: 542-547.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. 058-0222411-2820: Food, Homocysteine and Quality of Bone Tissue, Ministry of Science, Education and Sports, 2007-2013. 2. Croatian-Serbian bilateral program of cooperation in science and technology: “Nutritional Status of Folate among High-risk Populations: Young Women of Reproductive Age and the Elderly”, Ministry of Science, Education and Sports, 2011-2012. 3. Leonardo da Vinci Partnership Project (2011-1-TR1-LE0004-27384) Raising the awareness of healthy food and healthy eating among children, 2011-2013

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Šentija Davor, PhD, MD**
1.	Leader of the course(s)	Modelling Human Power Capacities
2.	Associate teacher in course (s)	Measuring Instruments in Experimental Kinesiology Variability in Physical Activity-Related Biological Properties
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	dsentija@kif.hr
5.	Biography	*a) Personal Information* Date of birth: 25. November 1960. Place of birth: Zagreb, Croatia Citizenship and Nationality: Croatian E-mail: dsentija@kif.hr *b) Education* 1978-1985. School of Medicine, University of Zagreb: Doctor of Medicine 1987- 1989. School of Medicine, University of Zagreb: postgraduate program in Sports Medicine, graduated by defending his Master's thesis in 1991 and then his doctoral dissertation also at the School of Medicine, University of Zagreb, in 2002. *c) Working Experience* 1985-1987 internship at the University Hospital Center "Rebro" (1 year Military Service) 1987 general practitioner, DZS Zagreb 1988-present employed at the Faculty of Kinesiology, University of Zagreb, Department of Sports Medicine and Exercise. Subject (s) Sports Physiology (1988-1994), Functional Anatomy (1994 -) *d) Academic degrees, advancements and functions of service* 1991. Master of Science in Biomedicine and Health, School of Medicine, University of Zagreb 2002. Doctor of Science in the field of Biomedicine and Health (scientific field of Basic Medical Sciences), School of Medicine, University of Zagreb 2009. 09.09.2009. appointed at the scientific posotion of research associate in the field of Biolemdicine and Health, field of Basic Medical Sciences 2009. appointed as docent in the field of Biolemdicine and Health, field of Basic Medical Sciences at the Faculty of Kinesiology, University of Zagreb 2013. appointed at the scientific position of senior research associate in the field of Biolemdicine and Health, field of Basic

		Medical Sciences 01.10.2013. head of the Department of Kinesiological Anthropology and Methodology at the Faculty of Kinesiology, University of Zagreb *e) Scientific and professional training* 1989. professional and scientific training in the field of sports medicine at the Istituto di scienze dello sport (CONI) in Rome, Italy (Scholarship by the Croatian Ministry of Science, Education and Sports) 1997. European Master of Science Degree in Biology of Physical Activity – intensive course "Limits of human performance", Olympia, Greece 1999 "*3rd European Practicum on Clinical Exercise testing*" Institute of Sport Science, Rome 2005 "*3rd European Practicum on Clinical Exercise testing* ", Regents College, London *f) Languages:* English, Italian
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Assistant professor, 21.09.2009.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Šentija D, Rakovac M, Babić V (2012). Anthropometric characteristics and gait transition speed in human locomotion. Hum Mov Sci 31:672-682. (CC, IF za 2011. 1.967) 2. Mikulić P, Vučetić V, Šentija D (2011). Strong relationship between heart rate deflection point and ventilatory threshold. J Strength Cond Res 25(2):360-366. (SCI, IF za 2010. 1.457) 3. Antoncic-Svetina M, Sentija D, Cipak A, Milicic D, Meinitzer A, Tatzber F, Andrisic L, Zelzer S, Zarkovic N (2010). Ergometry induces systemic oxidative stress in healthy human subjects. Tohoku J Exp Med 221(1):43-48. (CC, IF za 2009. 1.347) 4. Šentija D, Marković G (2009). The relationship between gait transition speed and the aerobic thresholds for walking and running. Int J Sports Med 30:795-801. (CC, IF za 2008. 1.560) 5. Sentija D, Marsić T, Dizdar D. The effects of strength training on some parameters of aerobic and anaerobic endurance. Coll Antropol. 2009 Mar;33(1): 111-6.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which	1. From 2007. Head of the project by the Ministry of Science, Education and Sports, "Physiological Determinants of Success in Endurance Sports", No. 034-0342607-2279

	are relevant for the field of the doctoral programme	2. From 2007. Associate for the project No.034-0362979-2334 “Automated Measurement of Motion and Expert Assessments in the Course Locomotion”, led by prof.dr. Vladimir Medved

Nr.	Title, last name, First name of the teacher	**Škorić Sanela, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Economic Evaluation of Sport and Recreation Programmes in Tourism
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	sanela.skoric@kif.hr
5.	Biography	Sanela Škorić was born on the 11th of August 1979 in Zagreb, Croatia. Graduated both primary and secondary Tourism school in Zagreb, where in 1997 she enrolled at the Faculty of Economics and Business. She graduated in 2002 and received the title BSc in Economics. The same year she enrolled in the scientific postgraduate program "International Tourism in the National Economy" at the Faculty of Economics and Business, University of Zagreb. She successfully defended her Master's thesis entitled "Development of Sports and Recreational Tourism in Istria" on the 14th of April 2006 and received the title of MSc in Social Sciences. She successfully defended her doctoral dissertation on the 18th of May 2010 entitled "Criteria for Sustainable Development in Operational Planning of Winter Sports Tourism" at the Faculty of Economics and Business, University of Zagreb and obtains the title of Doctor of Science in Social Sciences, scientific field of economics, science branch of trade and tourism.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Research Assistant, 15.12.2011.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Čustonja, Z. i Škorić, S. (2011). Winning medals at the Olympic Games – does Croatia have any chance? (Original scientific paper), *Kinesiology*, *43*(1), 107-114. ISSN: 1331-1441; UDC 796.032.2:737.2 (497.5) 2. Škorić, S. i Hodak, Z. (2011). The system of sports financing and management in the Republic of Croatia (Preliminary communication), *Zbornik radova Ekonomskog fakulteta u Rijeci – časopis za ekonomsku teoriju i praksu / Proceedings of Rijeka Faculty of Economics – Journal of economics and business, 29*(2), 443-464. ISSN: 1331-8004; 1846-7520 (Online); UDC rada: 796: 336.581 3. Bučar, K., Škorić, S. i Prebežac, D. (2010). Pravila ponašanja u turizmu i njihov utjecaj na održivi turizam / Codes of conduct in tourism and their impact on sustainable tourism (pregledni rad/review). *Acta Turistica 22*(2), 221-246. ISSN: 0353-4316; UDC/UDK: 338.484:502.131.1; JEL: L83,Q01 4. Škorić, S. (2008). Sportski turizam i njegovi učinci na turističke destinacije-primjer Istre / Sports tourism and its

		impact on tourism destinations-the case of Istria (prethodno priopćenje/preliminary communication paper). *Acta Turistica 20*(1), 67-92. ISSN: 0353-4316; UDC/UDK: 338.48-52(497.5 Istra); JEL: L83 5. Bartoluci, M. i Škorić, S. (2008). Ekonomski aspekti velikih sportskih priredbi, primjer Europskog nogometnog prvenstva (pregledni članak). *Računovodstvo i financije, Lipanj* (2008.), 182-187. ISSN: 0350-4506; UDK: 338.64
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Associate for the project "Conception Development of Sports and Nautical Tourism in Croatia", No. 034-0672288-2606 2. 2008./2009. Participated in the development of the course "Sports and Recreational Facilities and Programs along the route of Green Way – Croatia's Ecological Highway"

Nr.	Title, last name, First name of the teacher	**Asst. Prof. Tomažin Katja, PhD**
1.	Leader of the course(s)	Muscle Fatigue
2.	Associate teacher in course (s)	
3.	Home institution	University of Ljubljana, Faculty of Sports
4.	E-mail address	katja.tomazin@fsp.uni-lj.si
5.	Biography	Katja Tomažin was born in 1973 in Novo Mesto, Slovenia. Works as an assistant in the department of kinesiology at the Faculty of Sports in Ljubljana. She received her Doctor of Science degree in 2001. The title of her dissertation was "Changes in the Surface EMG Signal Under the Influence of Peripheral Fatigue". Part of her work was presented and awarded with a prize for young researchers (5^{th} – 10^{th} place) at ECSS in Cologne in 2001. In 2009 she continued her work as a post-doctoral researcher in France ("Assessment of Neuromuscular Dysfunction by Magnetic Stimulation of Nerves", Laboratoire de Physiologie de l'Exercice (EA 4338), medicini du sport - Myologie, Hospital Bellevue, 42055 Saint-Etienne).
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Assistant professor, 12/2008
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Degache F, Guex K, Fourchet F, Morin JB, Millet GP, Tomazin K, Millet GY. Changes in running mechanics and spring-mass behaviour induced by a 5-hour hilly running bout. J Sports Sci. 2013;31(3):299-304. 2. Tomazin K, Morin JB, Strojnik V, Podpecan A, Millet GY. Fatigue after short (100-m), medium (200-m) and long (400-m) treadmill sprints. Eur J Appl Physiol. 2012;112(3):1027-36. 3. Morin JB, Tomazin K, Samozino P, Edouard P, Millet GY. High-intensity sprint fatigue does not alter constant-submaximal velocity running mechanics and spring-mass behavior. Eur J Appl Physiol. 2012;112(4):1419-28. 4. Millet GY, Tomazin K, Verges S, Vincent C, Bonnefoy R, Boisson RC, Gergelé L, Féasson L, Martin V. Neuromuscular consequences of an extreme mountain ultra-marathon. PLoS One. 2011, 22;6(2):e17059. 5. Fourchet F, Millet GP, Tomazin K, Guex K, Nosaka K, Edouard P, Degache F, Millet GY. Effects of a 5-h hilly running on ankle plantar and dorsal flexor 6. force and fatigability. Eur J Appl Physiol. 2012; 112(7):2645-52. 7. Morin JB, Samozino P, Edouard P, Tomazin K. Effect of fatigue on force production and force application technique during repeated sprints. J Biomech

8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. The analysis of the influence of environmental factors on sport and physical activity by measuring energy expenditure in 11 to 15 year old children in the period 2006-2010: an international comparison (Usa, Croatia, Slovenia) (applied research project) - 1.2.2008 - 30.1.201, University of Ljubljana, Slovenia. 2. Assessment of neuromuscular dysfunctions by magnetic nerve stimulation", Laboratoire de Physiologie de l'Exercice (EA 4338), Médecine du Sport – Myologie ,Hôpital Bellevue, 42055 Saint-Etienne – 18.1. 2009 – 21.12. 2009.

Nr.	Title, last name, First name of the teacher	**Trošt Bobić Tatjana, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Scientifically Founded Planning and Programming in Kinesitherapy Diagnostics in Kinesitherapy Research Methodology of Kinesiology Modern Approach in Diagnosis and Treatment of Acute and Chronic Pain in Neurology
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	ttrost@kif.hr
5.	Biography	Tatjana Trošt Bobić was born on the 21st of July 1979 in Pula, married, a Croat, a citizen of the Republic of Croatia. Education: In 1998 she enrolled in the Faculty of Kinesiology, University of Zagreb and graduated it in September 2003. In 2003/2004 she enrolled in a postgraduate doctoral program for scientific improvement in kinesiology, social sciences, field of educational sciences, branch of kinesiology. She defended her doctoral thesis successfully on the 21st of June 2012 at the Faculty of Kinesiology, University of Zagreb. Active use of foreign languages: Italian, English. Teaching biography: works at the Faculty of Kinesiology, University of Zagreb since 2006 as a research assistant on a scientific project of the Ministry of Science, Education and Sports. At the Faculty of Kinesiology she participates in teaching primary and elective Kinesiology module, as well as the optional courses Preventing athlete injuries, Custom physical activities and Sports for people with disabilities. Actively participates in the organization of a number of international scientific and professional conferences organized by the Faculty of Kinesiology, University of Zagreb. Editor of the column "Prevention and Rehabilitation of Sports Injuries" in the professional journal Conditional Training. Awards and recognitions: She won the oral presentation prize "Miloš Mraković" in the contest for the best scientific work from a young researcher at the 6th International Conference on Kinesiology, Opatia, 8-11.09.2011. She is the winner of the Croatian Science Foundation scholarship, for participation in the Summer school of scholarly communication, organized by the Croatian Science Foundation and the School of Medicine, University of Split. In 2003 she received the International Student Scholarship CEEPUS for a one-month stay at the Matej Bel University, Banska Bystrica, Slovakia. In 2000 she received the award for the best student at the Faculty of Kinesiology, University of Zagreb. Mentor of two award-winning student papers, which received the Rector's award

		for the academic year 2011/2012 and 2012/2013. Scientific work: Independently and as a co-author she published: 8 (A1) research papers in scientific journals, 5 (A1) research papers in their entirety in conference proceedings cited in relevant (secondary and tertiary) sources of information, 2 (A2) research papers published as articles in a journal and categorized as original research paper, 1 (A2) research paper published as original research paper in its entirety in the proceedings of international scientific conferences, 2 (A2) scientific papers published as original research papers in their entirety in the proceedings of domestic scientific and professional conferences, five scientific papers published in the form of summaries in the proceedings of international scientific conferences, categorized and published as scientific, 40 professional papers published in professional journals, domestic and international conferences.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Research Assistant, 07.12.2012.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Zavoreo, I., Bašić Kes, V., Lisak, M., Maršić, N., Ciliga, D, Trošt Bobić, T. (2013). Cognitive decline and cerebral vasoreactivity in asymptomatic patients with severe internal carotid artery stenosis. Acta Neurologica Belgica, Published online 06 April 2013, ahead of print DOI 10.1007/s13760-013-0196-4. 2. Zavoreo, I., Bašić Kes, V., Zadro-Matovina, L., Lisak, M., Corić, L., Cvjetičanin, T., Ciliga, D., Trošt Bobić, T. (2013). Cerebral venous circulatory system evaluation by ultrasonography, Acta Clinica Croatica, 52(2):203-211. 3. Radaš, J., Trošt Bobić, T. (2011). Posture in top-level Croatian rhythmic gymnasts and non-trainees. Kinesiology, 1(43), 64-73. 4. Sertić, H., Segedi, I., Trošt Bobić, T. (2011). Sportske ozljede u judu. Hrvatski Športskomedicinski Vjesnik, 26(2), 71-77. 5. Trošt Bobić, T. & Radaš, J. (2010). Lumbar spine dynamic stability evaluation – a new field test. Hrvatski Športskomedicinski Vjesnik, 25(2), 75-80. 6. Baščevan, S., Trošt Bobić, T., Kirin, B. (2010). Oporavak mišića nakon operacije prednje ukrižene sveze koljena metodom po Keneth-Jonesu. Športskomedicinski Vjesnik 25 (2), 92-101. 7. Trošt Bobić, T., Ružić, L., Ciliga, D. (2009). Retrospektivno istraživanje o ozljedama studenata Kineziološkog fakulteta – usporedba dvaju studijskih programa. Hrvatski Športskomedicinski Vjesnik 24, 88-

		97.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. 2007. - 2013. Associate for the project of the Ministry of Science, Education and Sports No. 034-0342610-2609, entitled "Programming transformation processes for the development of fitness characteristics" led by dr.sc Dragan Milanović. 2. 2006. – 2007. Associate for the research project of the Ministry of Science, Education and Sports No. 0034217 "Modeling and Evaluation of Methodological Approaches in Conditioning" led by prof.dr.sc. Dragan Milanović.

Nr.	Title, last name, First name of the teacher	**Full Prof., Vitezić Dinko, PhD, MD**
1.	Leader of the course(s)	Medicinal Products and Doping
2.	Associate teacher in course (s)	
3.	Home institution	University of Rijeka, School of Medicine
4.	E-mail address	dinko.vitezic@medri.uniri.hr
5.	Biography	Born on the 23rd of October 1962 in Rijeka and graduated the School of Medicine in Rijeka in 1987 with a grade point average of 4.60. Did his mandatory internship at the clinic for children diseases and passed his professional examination in 1990 and in 1992 began a specialization in clinical pharmacology which he undertook at the medical institutions in Zagreb and Rijeka. He passed his specialization exam in 1996 at the University Hospital Center ("Rebro"), Zagreb. In 1991 he becomes an employee of the School of Medicine in Rijeka and in 2009 he became a full-times professor with part-time working hours of 30 hours per week. In 1994 he starts working as a resident and in 1996 becomes a specialist in clinical pharmacology at the university hospital center in Rijeka. In 1999 he obtained the title of Doctor of Science in the field of Biomedicine and Health. Within the Department of Pharmacology he is a leader of the courses "Clinical Pharmacology" in the Medicine program; "Pharmacology" in the Medical Radiology Engineering program; participates in teaching the graduate course "Pharmacology" in the programs of Medicine, Dentistry and the program for nurses/medical technicians, from the course "Toxicology" in the program for sanitary engineers graduates. Participates in teaching at the doctoral level at the School of Medicine in Rijeka (leader of the course Clinical Pharmacology), in postgraduate professional programs at the School of Medicine in Rijeka (Clinical Pharmacology), the School of Medicine in Zagreb (Clinical Pharmacology) and the Faculty of Pharmacy and Biochemistry in Zagreb (Clinical Pharmacology, leader of the course Therapy Individualization). Editor of the textbook "The Fundamentals of Clinical Pharmacology" (Zagreb, 2007) and "Clinical Pharmacology" (Zagreb, 2014), editor of the chapters in the textbook "Internal Medicine" (New York, 2008) and author of numerous articles mentioned in these books as well as in many other books. Leader of a project approved by the Croatian Ministry of Science, Education and Sports, as well as researcher on several other projects. Actively involved in numerous domestic and international scientific and professional meetings.

		Reviewer of books as well as professional and scientific papers for the use of domestic and international journals, chairman at numerous domestic and international congresses and symposia.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor, 14.07.2009.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Vitezić D, Mršić Pelcić J, Župan G, Vitezić M, Ljubičić Đ, Simonić A. Na+, K+-ATPase activity in the brain of the rats with kainic acid-induced seizures: influence of lamotrigine. Psychiatr Danub 2008; 20: 269- 276 2. Likić R, Vitezić D, Maxwell S, Polašek O, Francetić I. The effects of problem-based learning integration in a course on rational drug use: a comparative study between two Croatian medical schools. Eur J Clin Pharmacol 2009; 65: 231-237 3. Vitezić D, Lovrek M, Tomić S. Centralized national ethical review of clinical trials in Croatia. Croat Med J. 2009; 50: 111-116 4. Perković O, Vitezić D, Rudež J, Vitezić M, Kovačević M, Mršić-Pelčić J, Ljubičić Đ, Jurjević A. Sildenafil induced choreoathetosis in men with Parkinson's disease. Int J Clin Pharmacol Ther 2010; 48: 76-78 5. Kovačević M, Jonjić N, Štalekar H, Zaputović L, Štifter S, Vitezić D. Apoptotic cell death and rupture of abdominal aortic aneurysm. Med Hypotheses 2010; 74: 908-910 6. Mršić-Pelčić J, Pilipović K, Vujičić B, Pelčić G, Vitezić D, Župan G. The influence of erythropoietin treatment on oxidative stress parameters in cortex of rats exposed to transient middle cerebral artery occlusion. Period Biolog 2011; 113: 69-74 7. Šepić Grahovac D, Bajek G, Vitezić D, Tuškan Mohar L, Ružić Baršić A, Grahovac T, Bajek S. Dilemma of antiepileptic drugs withdrawal in symptomatic epilepsy. Coll Antropol 2011; 35: 1291-1294 8. Mršić-Pelčić J, Pilipović K, Pelčić G, Vitezić D, Župan G. Temporal and regional changes of superoxide dismutase and glutathione peroxidase activities in rats exposed to focal cerebral ischemia. Cell Biochem Funct 2012; 30: 597-603 9. Vitezić D, Mađarević T, Gantumur M, Buble T, Vitezić M, Kovačević M, Mršić-Pelčić J, Šestan B. Drug usage by outpatients in Croatia during an 8-year period: Influence of changes in pricing policy. Int J Clin Pharmacol Ther 2012; 50: 483-489 10. Inotai A, Petrova G, Vitezić D, Kaló Z. Benefits of

		investment into modern medicines in Central-Eastern European countries. Expert Rev Pharmacoecon Outcomes Res. 2013 Dec 19. [Epub ahead of print]
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Leader of the project "The Use of Cardiovascular Drugs and the Importance of Pharmacoeconomic evaluations" (No. 062-0620063-0060) approved by the Croatian Ministry of Science, Education and Sports in 2007. 2. Researcher for the project "Epilepsy and Traumatic Brain Injury: Damage and Pharmacotherapy Mechanisms" (No. 062-0620529-0519; led by prof. dr. G. Župan).

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Vlašić Jadranka, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Choreography in Conventional Sports
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	jadranka.vlasic@kif.hr
5.	Biography	Jadranja Vlašić (born Brkić) was born on the 22nd of June 1972 in Zagreb, married, mother of two children, a Croat, a citizen of the Republic of Croatia. She attended primarz school in Zagreb and finished it with excellency in 1986. The same year she enrolled in the Center for cultural nurture and education in Zagreb, which she graduated in 1991 with excellency. She enrolled at the Faculty of Kinesiology, University in Zagreb in 1991 and graduated it in 1997 with excellency. On the 20th of November 2001 she enrolled in a postgraduate program in education sciences, branch of Kinesiology, module Sports Kinesiology. On the 28th of March 2006 she successfully defended her Master's thesis entitled "Correlation between Motor and Morphological Characteristics with dance performance at female students" and thus acquired the title Master of Social Sciences in the field of Educational Sciences, branch of Kinesiology. On the 7th of July 2010 she successfully defended her doctoral dissertation entitled "The differences between male and female students in dance performance and attitudes towards dance" at the Faculty of Kinesiology, University of Zagreb and obtained the title Doctor of Social Sciences, research field of Educational Sciences, branch of Kinesiology. In October 2011 she is appointed at the scientific position of research associate. On the 20th of March 2013 she received the academic title of Docent in the field of Social Sciences, Kinesiology, branch of Sports Kinesiology, for the course Dancing at the Faculty of Kinesiology, University of Zagreb.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Assistant professor, 20.03.2013.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Vlašić, Jadranka; Oreb, Goran; Katović, Darko.RAZLIKE IZMEĐU STUDENTICA I STUDENATA U STAVOVIMA PREMA PLESU. // Ovidius University Annals, Series Physical Education and Sport/ Science, movement and health. 12 (2012) , 2 supplement; 417-421 (članak, znanstveni). 2. Oreb, Goran; Vlašić, Jadranka; Zagorc, Meta. UČINKOVITOST PLESNOG TRENINGA NA NEKE MOTORIČKE SPOSOBNOSTI PLESAČA

		NARODNOG PLESA. // Sport Science. 4 (2011) , 1; 96-100 (članak, znanstveni). 3. Babić, Vesna; Blažević, Iva; Vlašić, Jadranka. Karakteristike sprinterskog trčanja djece predškolske i mlađe školske dobi. // Hrvatski športskomedicinski vjesnik. 25 (2010) , 1; 3-8 (članak, znanstveni). 4. Vlašić, Jadranka; Oreb, Goran; Leščić, Stjepka. POVEZANOST MOTORIČKIH I MORFOLOŠKIH OBILJEŽJA S USPJEHOM U DRUŠTVENIM PLESOVIMA. // Hrvatski športskomedicinski vjesnik. 24 (2009) , 1; 30-37 (članak, znanstveni). 5. Čačković, Latica; Barić, Renata; Vlašić, Jadranka. PSYCHOLOGICAL STRESS IN DANCESPORT. // Acta Kinesiologica. 6 (2012) , 2; 71-74 (članak, stručni). 6. Čačković, Latica; Barić, Renata; Vlašić, Jadranka. THE NINE STEP CONNECTION MODEL AS ONE OF THE METHOD OF DANCE SPORT PSYCHOLOGICAL PREPARATIONS. // Sport science. 5 (2012) , 2; 98-101 (članak, stručni). 7. Čačković, Latica; Barić, Renata; Vlašić, Jadranka. THE NINE STEP CONNECTION MODEL AS ONE OF THE METHOD OF DANCE SPORT PSYCHOLOGICAL PREPARATIONS. // Sport Science. 5 (2012) , 2; 98-101 (pregledni rad, stručni). 8. Čačković, Latica; Barić, Renata; Vlašić, Jadranka. PSYCHOLOGICAL STRESS IN DANCESPORT. // Acta Kinesiologica. 6 (2012) , 2; 71-74 (pregledni rad, stručni).
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	22nd of June 1972 in Zagreb

Nr.	Title, last name, First name of the teacher	**Vučetić Vlatko, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Research on Athlete Characteristics Assessment and Evaluation of Motor Abilities Assessment and Evaluation of Functional Abilities Development of Physical Conditioning Abilities
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	vvucetic@kif.hr
5.	Biography	Born on the 16th of February 1974 in Zagreb. Croat by nationality. He attended primary school from 1980 to 1988 and from 1988 to 1992 – the Electrical Engineering High School in Zagreb. From 1979 to 1986 he practiced swimming and from 1987 to 1996 – athletics. During his career in athletics he was a multiple times junior champion in Croatia in cross, as well as in the disciplines of 2000 and 3000 meters with obstacles, 5000 and 10000 meters. In 2000 he attended and completed an English language course in Oxford, United Kingdom (The Oxford English Centre) and in 1995 he completed a course for classical hand massage at the College of Medicine in Zagreb. In 1997 he received the scholarship of the Ministry of Science and Technology. While studying at the undergraduate level, he was declared best student for the 2nd, 3rd and 4th year the program. In 2001 he graduated the Faculty of Physical Education with excellency, being the 3rd best in his generation with a grade point average of 4.77 and acquired a 7th degree of professional qualification with educational profile Professor of Physical Education, with a focus on physical preparation of athletes. In 2001 he enrolled in a postgraduate program, passed all the exams and met all the requirements for direct entry into the doctoral program without having to write a Master's thesis. In 2002, 2003 and 2005 he was declared the best research assistant at the Faculty of Physical Education (Kinesiology), University of Zagreb. In 2007 he successfully graduated the doctoral program at the Faculty of Kinesiology, University of Zagreb. From the 1st of December 2002 worked as a research assistant, assistant for the projects Methodology I and II, and from 2004 for the course Athletics I (walking and running), respectively Athletics from 2005 to 2007. In 2009 he is appointed as a senior assistant. On the 1st of June 2012 he was appointed at the teaching position of Senior Lecturer at the Faculty of Kinesiology, University of Zagreb. Worked as a teacher for the optional modules "Conditioning

		of Athletes" part of the undergraduate and graduate programs at the Faculty of Kinesiology for the courses Methodology of Conditioning and Conditioning Control. A teacher at the professional studio for training of coaches. From 2000 worked as a coordinator and from 2002 as head of measuring at the Sports Diagnostics Centre at the Faculty of Kinesiology, University of Zagreb. In 2011 he completed FMS and SFMA courses in Gothenburg, Sweden. Since 2001 he has published both an author and co-author more than more than 40 professional and over 40 scientific papers (more than 15 of which have been cited in the CC/SCI databases) as well as 25 summaries of scientific papers published in the proceedings of international conferences. He is the author of 1 manual and co-author of 2 chapters in the field of scientific kinesiology. He has participated in ten scientific and professional domestic and international conferences.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Senior Lecturer, 01.06.2012.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Vučetić, V., Matković, B., Šentija, D. (2008). Morphological Differences of Elite Croatian Track-And-Field Athletes. Collegium Antropologicum. 32(3), 863-868 2. Marković, G., Vučetić, V., Cardinale, M. (2008). Heart rate and lactate responses to taekwondo fight in elite women performers. Biology of Sport, 25(2): 135-146 3. Reliability and Factorial Validity of Flexibility Tests for Soccer Players: Method Paper. // Journal of Strength and Condition Research. 25 (2011) , 4; 1168-1176 4. Ostojic, S.M., Markovic, G.D., Calleja-Gonzalez, J., Jakovljevic, G., Vucetic, V., Stojanovic, M. D. (2010). Ultra short-term heart rate recovery after maximal exercise in continuous versus intermittent endurance athletes. Eur J Appl Physiol, 108:1055–1059 5. Sporiš, G., Jukić, I., Milanović, L., Vučetić, V. (2010). Reliability and Factorial Validity of Agility tests for Soccer Players. Journal of Strength and Conditioning Research, 679-686. 6. Mikulic P, Vucetic V, Sentija D. (2010). Strong Relationship between Heart Rate Deflection Point and Ventilatory Threshold in Trained Rowers. Journal of Strength and Conditioning Research, ( ). 7. Sporis, G., Vucetic, V., Jukic, I., Omrcen, D., Bok, D. and Custonja, Z. (2011). How Reliable Are the Equations for Predicting Maximal Heart Rate Values in Military

		Personnel? Military medicine, 176(3), 437-351. 8. Čižmek, A. Ohnjec, K.,Vučetić, V., Gruić, I. (2011). Morphological differences of elite Croatian female handball players according to their game position, Hrvatski športsko medicinski vjesnik, 25:122-127. 9. Sporis, G., Vucetic, V., Jovanović, M. Milanović, Z., Ručević, M. and Vuleta, D. (2011). Are There any Differences in Power Performance and Morphological Characteristics of Croatian Adolescent Soccer players according to the Team Position? Collegium Antropologicum. 35(4), 1089-1094 10. Novak, D.; Vucetic, V., Žugaj, S. (2013). Differences in energy capaties between tennis player and runners. Collegium Antropologicum. 37 suppl.(2), 107-112.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. "Physiological Determinants of Success in Endurance Sports". Project No. 034-0342607-2279. Project type: Ministry of Science, Education and Sports. Project leader: Davor Šentija

Nr.	Title, last name, First name of the teacher	**Full Prof., Vuleta Dinko, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Research on Sport and Sport Activities
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	
5.	Biography	DATE AND PLACE OF BIRTH: Zadar, 30 March 1958. NATIONALITY : Croatian BRAČNO STANJE: Married, father of two children: Valter (28) i Dinko (26) Academic advancements: - Research assistant for the course HANDBALL since 1988. - Docent for the course HANDBALL since 1998. - Associate professor for the course HANDBALL since 2001. - Full-time professor for the course HANDBALL since 2005 (approved on the 5th regular Senate meeting of the University of Zagreb, held on the 10th of February 2005). Functions in the academic community: - Member of the Senate of the University of Zagreb from 2005 to 2009; - Member of the Counsil of Social and Humanistic areas from 2005 to 2009; - Member of the Election Committee for teaching and academic titles of Social and Humanistic areas from 2005 to 2009; - Member of the social sciences master committee, fields: pedagogy, educational and rehabilitation sciences, logaoedics and kinesiology since 2009; - President of the social sciences master committee, fields: pedagogy, educational and rehabilitation sciences, logaoedics and kinesiology from 2014 to 2017; - Member of the editorial board of the international scientific journal Kinesiology (cited in WoS, Scopus, Index Copernicus, PsycINFO, SPORTDiscus Full-text); - Reviewer of research papers in both domestic and international scientific journals and collection of papers (Kinesiology, Collegium Antropologicum, Kinesiologia Slovenicaand the Croatian Sports Medicine Journal); - Reviewer of scientific and professional books; - Reviewer of professional papers in scientific and professional journals and collections of papers

		(Conditioning); - Reviewer of scientific projects and programs of the Croatian Ministry of Science, Education and Sports. Awards and recognitions: - Golden badge and plaque from the Slovenian Handball Federation in 1988. - Golden badge and plaque from the Croatian Handball Federation in 1990. - Golden badge and diploma for Croatian Physical Education pedagogue in 1997. - Acknowledgement from the Croatian Deaf Sports Association in 2003. - Acknowledgement for life-long contribution with a golden badge in 2004 by the Croatian Kinesiology Federation. - Distinguished kinesiologist with written recognition of lifelong contribution in 2006 by the Croatian Kinesiology Federation. - National award for sport (annual) "Franjo Bučar" in 2007.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor with tenure, 16.03.2010.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Vuleta, D., Milanović, D., Bojić-Ćaćić L.(2013): The effects of mini-handball and physical education classes on motor abilities of children of early school age. Croatian Journal of Education, 15; Sp.Ed.No.4,111-146 2. Justin,I., Vuleta,D., Pori,P., Kajtna,T., Pori,M., (2013) Aare taller handball goalkeepers better? certain characteristics and abilities of slovenian male athletes. Kinesiology 45,2:252-261. 3. Kajtna, T., Vuleta, D. , Pori, M., Justin, I., Pori, P. (2012) : Psychological characteristics of slovene handball goalkeepers. Kineziologija, 44, 2:209-217. 4. Sporiš, G., Harasin, D., Matika, D., Vuleta, D., Bok, D.: (2012) Effects of training program for special operations battalion on soldiers fitness characteristics. // Journal of strength and conditioning research. 26, 10; 2872-2882. 5. Sporiš, G., Jukić, I., Bok, D., Vuleta, D., Harasin, D.: (2011). Impact Of Body Weight On Performace In Fitness Test Among Personnel Of The Croation Navy. // Collegium antropologicum. 35, 2; 335-339. 6. Sporiš, G., Vučetić, V.,; Jovanović, Mario; Ručević, Marijan; Milanović, Zoran; Vuleta, Dinko. (2011). Are There Any Differences in Power Performance and Morphological Characteristics of Croatian Adolescent Soccer Players According to the Team Position?. //

		Collegium Antropologicum. 35, 4; 1089-1094. 7. Sporiš, Goran; Vuleta, Dinko; Milanović, Dragan. (2010). Fitness Profiling in Handball: Physical and Physiological Characteristics of Elite Players. // Collegium antropologicum. 34, 3; 1009-1014. 8. Sertić, H., Sterkowicz, S., Vuleta, D., (2009). Influence of latent motor abilities on performance
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Leader of the project "Diagnostic Procedures for Determining Fitness Levels in Handball" (034-0000000-2614). 2. Associate for the project "Programming Transformation Methods for the Development of Fitness Characteristics" (034-0342610-2609) led by: prof.dr.sc. Dragan Milanović.

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Zavoreo Iris, PhD, MD**
1.	Leader of the course(s)	Research Methodology in Kinesitherapy Modern Approach in Diagnosis and Treatment of Acute and Chronic Pain in Neurology
2.	Associate teacher in course (s)	Scientifically Founded Planning and Programming in Kinesitherapy Diagnostics in Kinesitherapy
3.	Home institution	Teaching Hospital "Sisters of Charity", Department of Neurology
4.	E-mail address	iris_zavoreo@yahoo.com
5.	Biography	Iris Zavoreo, neurologist Appointed at the scientific position of Docent at the Faculty of Kinesiology, University of Zagreb in 2011. Obtains her doctorate in Biomedicine at the Faculty of Science, University of Zagreb in 2008. Obtains her Master's Degree at the School of Medicine, University of Zagreb from 1992 to 1999. TEACHING EXPERIENCE: 2011 – Docent of Neurology at the Faculty of Kinesiology, University of Zagreb. 2010 – Lecturer at the English Medicine program at the School of Medicine, University of Zagreb. 2004 – Lecturer at the postgraduate level for the course of Neurosonology at the School of Medicine, University of Zagreb. 1999 – Teacher at the undergraduate level for the Neurology program at the Faculty of Education and Rehabilitation, University of Zagreb. 1999 – Teacher at the undergraduate level for the Neurology program at the School of Dental Medicine, University of Zagreb. PROFESSIONAL TRAINING ABROAD: 2005 – Scholarship from the Croatian Ministry of Science and Education , UIC, Neuroscience laboratory, Chicago, Illinois 2010 – Scholarship from the Montescano Pain School, Montescano, Italy SCIENTIFIC ACTIVITIES: Vice-president of the Croatian Society for Neuroimmunology and Neurogenetics. A reviewer of the journal Acta Clinica Croatica MEMBERSHIP: Croatian Society for Neurovascular Disorders; Croatian Society for Neuroimmunology and Neurogenetics Croatian Medical Chamber Croatian Neurological Society Croatian Society of Medical Acupuncture Croatian Biochemical Society

6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Assistant professor, 06.2011.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Demarin V, Bašić-Kes V, Zavoreo I, Bosnar-Puretić M, Rotim K, Lupret V, Perić M, Ivanec Z, Fumić L, Lusić I, Aleksić-Shihabi A, Kovac B, Ivanković M, Skobić H, Maslov B, Bornstein N, Niederkorn K, Sinanović O, Rundek T; Ad hoc Committee of the Croatian Society for Neurovascular Disorders; Croatian Medical Association. Recommendations for neuropathic pain treatment. Acta Clin Croat. 2008; 47(3):181-91. 2. Zavoreo I, Bašić-Kes V, Bosnar-Puretić M, Demarin V. Post-stroke depression. Acta Clin Croat. 2009; 48(3):329-33. 3. Bašić-Kes V, Zavoreo I, Bosnar-Puretić M, Ivanković M, Bitunjac M, Govori V, Demarin V. Neuropathic pain. Acta Clin Croat. 2009; 48(3):359-65. 4. Demarin V, Bašić Kes V, Morović S, Zavoreo I. Evaluation of aging vs dementia by means of neurosonology. J Neurol Sci. 2009;15;283 (1-2):9-12. 5. *Zavoreo I, DemarinV.* Breath Holding Index and Arterial stiffness as markers of vascular aging**.** Current Aging Science 2010;3(1): 67-70. 6. Zavoreo I, Bašić-Kes V, Morović S, Serić V, Demarin V. Breath holding index in detection of early cognitive decline. J Neurol Sci. 2010;15;299(1-2):116-9. 7. Demarin V, Zavoreo I, Bašić-Kes V, Šimundić AM. Biomarkers in Alzheimer's disease. Clin Chem Lab Med. 2011; 49(5):773-8. 8. Bašić-Kes V, Zavoreo I, Rotim K, Bornstein N, Rundek T, Demarin V. Recommendations for diabetic polyneuropathy treatment. Acta Clin Croat. 2011;50(2):289-302. 9. Bašić-Kes V, Zavoreo I, Šerić V, Vargek-Solter V, Cesarik M, Hajnšek S, Bošnjak-Pašić M, Gabelić T, Bašić S, Soldo-Butković S, Lušić I, Dežmalj-Grbelja L, Vladić A, Bielen I, Antončić I, Demarin V; Croatian Society for Neurovascular Disorders of Croatian Medical Association; Croatian Society of Neurology of Croatian Medical Association; Referral Center for Demyelinating Diseases of the CNS. Recommendations for diagnosis and management of multiple sclerosis. Acta Clin Croat. 2012;51(1):117-35 10. Demarin V, Zavoreo I, Bašić-Kes V. Carotid artery disease and cognitive impairment. J Neurol Sci. 2012; 15;322(1-2):107-11.
8.	The List of scientific and	1. 2011 –Researcher at the project: Stroke In young

	artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	Fabry Patients Trial (SIFAP I, SIFAP II), at University Department of Neurology, UHC Sestre milosrdnice, Zagreb, Croatia in collaboration with Prof. Dr. Arndt Rolfs, University of Rostock, Germany 2. 2011 – Researcher at the Project: Efficacy and Safety of Switch between Agalsidase Beta to Agalsidase Alfa for Enzyme Replacement in Patients With Anderson-Fabry Disease (SWITCH) Trial, at University Department of Neurology, UHC Sestre milosrdnice, Zagreb, Croatia in collaboration with Prof. Dr. Arndt Rolfs, University of Rostock, Germany 3. 2011 – Researcher at the projects: Clinical Trials of phase II and phase III related to Multiple Sclerosis, Teaching Hospital "Sisters of Charity" at the Department of Neurology. 4. 2007 – Researcher at the scientific project of the Croatian Ministry of Science, Education and Sports (1340036-0033): The Role of Genetic Markers in the Development of Atherosclerotic Diseases of the Brain (lead researcher - Academician Vida Demarin), Teaching Hospital "Sisters of Charity", Department of Neurology. 5. 2006 – Researcher at the scientific project of the Croatian Ministry of Science, Education and Sports (0134015): 3D Ultrasound and Transcranial Doppler Sonography in the Examination of Cerebral Circulation (lead researcher Academician Vida Demarin), Teaching Hospital "Sisters of Charity", Department of Neurology.

Nr.	Title, last name, First name of the teacher	**Assoc. Prof., Zoričić Zoran, PhD, MD**
1.	Leader of the course(s)	Addictions – Early Interventions
2.	Associate teacher in course (s)	
3.	Home institution	Teaching Hospital "Sisters of Charity", School of Dental Medicine
4.	E-mail address	zoran.zoricic@kbcsm.hr
5.	Biography	Born in 1966, graduated the School of Medicine in Zagreb in 1991, specialized in psychiatry in 2000, and subspecialized in alcoholism and other addictions in 2007. Obtained his Master's degree in 2002 and his Doctoral degree in 2004.Head of the Institute for alcoholism and other additions at the Department of Psychiatry, Teaching Hospital "Sisters of Charity", head of the Reference Centre for Addictions of the Croatian Ministry of Health, vice-president of the Croatian Association of Alcoholism and Other Addictions of the Croatian Medical Association, and president of the Croatian Association clubs for treated alcoholics. Founder and manager of the summer alcohology schools in Mali Lošinj, invited numerous times as a guest lecturer in neighbouring countries.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Associate professor, 26.09.2013.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Torre R, Zoričić Z. Harm reduction Aproach and Therapeutic Option of Moderate Drinking for Individuals with Drinking Problems. Alcoholism 2009; 45(2): 115-125. 2. Zoričić Z, Golik Gruber V, Moravek D, Šakušić A. Rehabilitacija bolesti ovisnosti. Znanstveni simpozij: bolesti ovisnosti. Zagreb 2010. *Alcoholism* 2010; 46 (Suppl 1): 33-36. 3. Zoričić Z, Torre R, Ilić S. Problemi povezani s igrama na sreću u RH. Znanstveni simpozij: bolesti ovisnosti. Zagreb 2010. *Alcoholism* 2010; 46 (Suppl 1): 225-228. 4. Zoričić Z, Torre R, Orešković A. Gambling and Betting-Modern Addictions. Medicus 2009; 18, (No2): 205-209. 5. Torre R, Zoričić Z, Orešković A. Žene ovisne o alkoholu-specifičnosti pijenja i tretmana. Socijalna psihijatrija 2010; 38: 190-196. 6. Torre R, Zoričić Z, Katinić K, Škifić B. Anonimni alkoholičari. Med Jad 2010: 40(1-2):19-25.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which	Professional projects: 1. Summer alcohology School 2007-2013. 2. Projects for the training of professionals in the field of alcoholism approved at competitions by the Croatian

	are relevant for the field of the doctoral programme	Ministry of Health. 3. Supervision and evaluation of work at the Clubs of Treated Alcoholics.

Nr.	Title, last name, First name of the teacher	**Full Prof., Živčić Marković Kamenka, PhD**
1.	Leader of the course(s)	
2.	Associate teacher in course (s)	Choreography in Conventional Sports
3.	Home institution	University of Zagreb, Faculty of Kinesiology
4.	E-mail address	kamenka.zivcici@kif.hr
5.	Biography	Born on the 4th of September 1962, Croatian, with Croatian citizenship, married, mother of two. Completes her primary and secondary education in Zagreb. Enrolled at the Faculty of Physical Education in 1981 and graduated it in 1985. Enrolled for a postgraduate program for scientific improvement in Kinesiology at the University "Edvard Kardelj" in Ljubljana, obtains her Master's degree in 1991 and in 2000 her Doctoral degree at the Faculty of Kinesiology, University of Zagreb. After graduating the Faculty of Kinesiology in 1985, she worked at the Faculty of Physical Education (Faculty of Kinesiology) as an assistant; from 1991 she worked as an assistant for the courses Artistic Gymnastics and Basic Kinesiology Transformations. From 1997 worked as an assistant for the course Artistic Gymnastics. On the 1st of March 2002 she was appointed at the scientific and teaching position of Docent, on the 27th of May 2007 – at the scientific and teaching position of associate professor, and on the 17th of September 2013 – at the scientific and teaching position of full-time professor in Social Sciences, field of Educational Sciences, branch of Kinesiology for the course Artistic Gymnastics. In 2002 as a docent for the course of Artistic Gymnastics, she was chosen as its leader. From 2000 she taught the course Artistic Gymnastics at the Faculty of Natural Sciences and the Educational Studies program in Split, Department of Physical and Health Education; from 2002 to 2004 she was the leader of the course Artistic Gymnastics at the very same faculty. Participated in the development of course curricula for the basic program at the Faculty of Kinesiology, for the course of Artistic Gymnastics, in planning the undergraduate and graduate program at the Faculty of Kinesiology, University of Zagreb, for the course Artistic Gymnastics, compliant with the Bologna Declaration (ECTS program), approved by the Croatian Ministry of Science, Education and Sports and carried out since 2005/06 as well as in planning for the Physical and Health Education courses (the part that refers to artistic gymnastics) for primary schools (Croatian National Educational Standard). Author and co-author of 45 scientific and 21 professional papers. Participated in three scientific projects and four

		studies. Currently a researcher for a scientific project of the Croatian Ministry of Science, Education and Sport No. 034-0342607-2279 (Biomechanical Efficiency of Croatian Athletes). Author of 1 university manual and first author of 1 textbook. In 1995 she was included in the formation of the Laboratory for Sports Kinematics at the Faculty of Kinesiology in Zagreb. Involved in artistic gymnastics from early childhood. Former member of both the junior and senior gymnastics national team of Croatia and former Yugoslavia. During her sports career she has won a number of awards at domestic and international competitions. She has been declared the best gymnast in Croatia. From 1980 to 1980 she has been a gymnastics coach and referee. In the same period she has been a member of the Presidency of the Gymnastics Society "Zagreb" and the expert commission for women's gymnastics. From 1990 to 1992 she took over as position of the Professional Board for Croatian Women's Gymnastics. Since 1997 she is a member of the Expert Council of the Croatian and Zagreb Gymnastics Federation.
6.	Date of the last appointment to a research-and-teaching or art-and-teaching rank	Full professor, 17.09.2013.
7.	List of publications in the last five years which qualify the course leader for implementation of the programme which are relevant for the field of the doctoral curriculum (papers in scientific journals and scientific books, 5 – 10 publications)	1. Živčić Markovic, K., Omrčen, D. (2009). The analysis of the influence of teachning methods on the acquisition of the landing phase in forward handspring. Science of Gymnastics Journal, 1 (1): 21-30. 2. Omrčen, D., Živčić Marković, K. (2009). The discourse of the epistemic community of artistic gymnastics: the analysis of articles' titles. Science of Gymnastics Journal, 1(1**)**: 41-53. 3. Kističević, T., Živčić Marković, K., Cigrovski, V., Simović, S., Rački, G. (2010). Povezanost znanja akrobatskih elemenata s uspjehom u slalomu i veleslalomu kod mladih alpskih skijaša. Hrvatski Športskomedicinski Vjesnik, 25**:** 9-15. 4. Živčić Marković, K., Sporiš, G., Čavar, I. (2011). Initial State of Motor Skills in Sports Gymnastics among Students at Faculty of Kinesiology. Acta Kinesiologica. 1 (5): 67-72. 5. Živčić Marković, K., Čavar, I., Sporiš, G. (2012). Changes in gymnasts motor abilities during the nine month training process of female gymnasts 5-6 years of age. Science of Gymnastics Journal. 2 (4): 45-54. 6. Badić, A., Živčić Marković, K., Sporiš, G., Milanović, Z., Trajković, N. (2012). Implementation of gymnastics contents in the classroom teaching at elementary schools

		of osijek - baranja county. Acta kinesiologica, 1(6): 60-65. 7. Živčić Markovic, K., Sporiš, G., Čavar, I., Aleksic-Veljkovic, A., Milanovic, Z. (2012). Biomechanical Evaluation of Exercises for Performing a Forward Handspring - Case Study. Journal of human kinetics, 4(34): 5-14.
8.	The List of scientific and artistic projects in which the course leader participated in the last five years, and which are relevant for the field of the doctoral programme	1. Scientific Project by the Croatian Ministry of Science, Education and Sports No. 034-0342607-2279 (Biomechanical Efficiency of Croatian Athletes).

A.6.2. LIST OF POTENTIAL SUPERVISORS EMPLOYED AT THE INSTITUTION THAT PROPOSES THE STUDY PROGRAMME

Nr.	Title, last name, First name of the teacher	**Full Prof., Andrijašević Mirna, PhD**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	mandrij@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Jurakic, Danijel; Andrijasevic, Mirna; Pedisic, Zeljko. Assessment of Workplace Characteristics and Physical Activity Preferences as Integral Part of Physical Activity Promotion Strategies for Middle-aged Employees . SOCIOLOGIJA I PROSTOR Volume: 48 Issue: 186 Pages: 113-131 Published: JAN-APR 2010 2. Jurakic, Danijel; Pedisic, Zeljko; Andrijasevic, Mirna.Physical Activity of Croatian Population: Cross-sectional Study Using International Physical Activity Questionnaire 3. CROATIAN MEDICAL JOURNAL Volume: 50 Issue: 2 Pages: 165-173 DOI: 10.3325/cmj.2009.50.165 Published: APR 2009 4. Andrijasevic, Mirna; Ciliga, Dubravka; Jurakic, Danijel. Is Sports Recreation Important to University Students? COLLEGIUM ANTROPOLOGICUM Volume: 33 Issue: 1 Pages: 163-168 Published: MAR 2009 5. Markus, Damir; Andrijasevic, Mirna; Prskalo, Ivan. PHYSICAL ACTIVITY OF FINAL GRADE STUDENTS. ODGOJNE ZNANOSTI-EDUCATIONAL SCIENCES Volume: 10 Issue: 2 Pages: 349-367 Published: 2008 6. Omrcen, Darija; Andrijasevic, Mirna; Stefic, Lidija. Sport, recreation and fitness - An analysis of selected terms in kinesiology. DRUSTVENA ISTRAZIVANJA Volume: 16 Issue: 4-5 Pages: 943-964 Published: JUL-OCT 2007
4.	Number of successful mentorships that resulted in dissertation defence	2

Nr.	Title, last name, First name of the teacher	**Full Prof., Babić Vesna, PhD**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	vesna.babic@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Gudelj, I., Zagorac, N., & Babić, V. (2013). Influence of kinematic parameters on pole vault results in top juniors . *Collegium Antropologicum, 37*(suppl.2), 25-30. 2. Saratlija, P., Zagorac, N., & Babić, V. (2013). Influence of kinematic parameters on result efficiency in javelin throw. *Collegium Antropologicum, 37*(suppl.2), 31-36. 3. Šentija, D., Rakovac, M., & Babić, V. (2012). Anthropometric characteristics and gait transition speed in human locomotion. *Human Movement Science, 31*(3), 672-682. 4. Babić, V., Čoh, M., & Dizdar, D. (2011). Differences in kinematic parameters of athletes of different running quality. *Biology of Sport, 28*(2), 115-121. 5. Coh, M., Babic, V., & Mackala, K. (2010). Biomechanical, Neuro-muscular and Methodical Aspects of Running Speed Development. *Journal of Human Kinetics, 26*, 73-81. 6. Roberson Jr., D. D., & Babic, V. (2009). Remedy for modernity: Experiences of walkers and hikers on medvednica mountain. *Leisure Studies, 28*(1), 105-112. 7. Zagorac, N., Retelj, E., Babić, V., Bavćević, T., & Katić, R. (2008). Development of biomotor characteristics and sprint and throw athletic abilities in six- to eight-year-old girls. *Collegium Antropologicum, 32*(3), 843-850.
4.	Number of successful mentorships that resulted in dissertation defence	1

Nr.	Title, last name, First name of the teacher	**Assoc.Prof., Ciliga Dubravka**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	dciliga@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Zavoreo, I., Bašić Kes, V., Zadro-Matovina, L., Lisak, M., Corić, L., Cvjetičanin, T., Ciliga, D., Trošt Bobić, T. (2013). Cerebral venous circulatory system evaluation by ultrasonography, Acta Clinica Croatica, 52(2):203-211. 2. Zavoreo, I., Bašić Kes, V., Lisak, M., Maršić, N., Ciliga, D., Trošt Bobić, T. (2013). Cognitive decline and cerebral vasoreactivity in asymptomatic patients with severe internal carotid artery stenosis. Acta Neurologica Belgica, Published online 06 April 2013, ahead of print DOI 10.1007/s13760-013-0196-4. 3. Filipović, V., Ciliga, D. (2010). Postural adaptation of idiopathic adolescent scolioses (IAS). Review. Kinesiology, 42 (1): 16-27. 4. Trošt Bobić, T., Ružić, L., Ciliga, D. (2009). Retrospektivno istraživanje o ozljedama studenata Kineziološkog fakulteta – Usporedba dvaju studijskih programa. Hrvatski Športskomedicinski Vjesnik, 24:88-97. 5. Andrijašević, M., Ciliga, D. i Jurakić, D. (2009). Is sport recreation important to university students? Collegium Antropologicum, 33(1), 163-169.
4.	Number of successful mentorships that resulted in dissertation defence	1

Nr.	Title, last name, First name of the teacher	**Full Prof., Čoh Milan**
1.	Home institution:	Fakulteta za šport, Univerza v Ljubljani
2.	E-mail address:	milan.coh@fsp.uni-lj.si
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. ČOH, Milan, MACKALA, Krzysztof. Differences between the elite and sub-elite sprinters in kinematic and dynamic determinations of countermovement jump and drop jump. Journal of strength and conditioning research, ISSN 1533-4287, nov. 2013, vol. 27, issue 11, str. 3021-3027 2. MACKALA, Krzysztof, STODÓŁKA, Jacek, SIEMIENSKI, Adam, ČOH, Milan. Biomechanical analysis of squat jump and countermovement jump from varying starting positions. Journal of strength and conditioning research, ISSN 1533-4287, October 2013, vol. 27, no. 10, str. 2650-2661 3. MACKALA, Krzysztof, STODÓŁKA, Jacek, SIEMIENSKI, Adam, ČOH, Milan. Biomechanical analysis of standing long jump from varying starting positions. Journal of strength and conditioning research, ISSN 1533-4287, October 2013, vol. 27, no. 10, str. 2674-2684 4. ČOH, Milan, ŽVAN, Milan. Biodynamic diagnostic of the explosive power of the lower extremities: a case study. Acta Universitatis Carolinae. Kinanthropologica, ISSN 1212-1428, 2011, vol. 47, no. 1, str. 16-25 5. BABIĆ, Vesna, ČOH, Milan, DIZDAR, Dražan. Differences in kinematic parameters of athletes of different running quality. Biology of Sport, ISSN 0860-021X, 2011, vol. 28, no. 2, str. 115-121, 6. BRAČIČ, Mitja, HADŽIĆ, Vedran, ČOH, Milan, DERVIŠEVIĆ, Edvin. Relationship between time to peak torque of hamstrings and sprint running performance. Isokinetics and exercise science, ISSN 0959-3020, 2011, vol. 19, no. 4, str. 281-286 7. ČOH, Milan, ŠTUHEC, Stanko, VERTIČ, Rok. Consistency and variability of kinematic parameters in the triple jump. New studies in athletics, ISSN 0961-933X, 2011, vol. 26, no. 3/4, str. 63-71 8. ČOH, Milan, BABIĆ, Vesna, MAĆKAŁA, Krzysztof. Biomechanical, neuro-muscular and methodical aspects of running speed development. Journal of Human Kinetics, ISSN 1640-5544, 2010, vol. 26, str. 73-81
4.	Number of successful mentorships that resulted in dissertation defence	4

Nr.	Title, last name, First name of the teacher	**Full Prof., Dizdar Dražan**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	ddizdar@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Hraste, M., Dizdar, D., Trninić, V. (2008). Experts Opinion about System of the Performance Evaluation Criteria Weighted per Positons in the Water Polo Game. *Collegium Antropologicum* 32(3), 851-861. 2. Šentija,D., Tošo, M., Dizdar, D. (2009). The Effects of Strength Training on Some Parameters of Aerobic and Anaerobic Endurance. *Collegium antropologicum* 33 (1), 111-116. 3. Hraste, M., Dizdar, D., Trninić, V. (2010). Empirical verification of the weighted system of criteria for the elite water polo players quality evaluation. *Collegium antropologicum*. 34(2), 473-479. 4. Paušić, J., Pedišić, Ž., Dizdar, D. (2010). Reliability of a Photographic Method for Assessing Standing Posture of Elementary School Students. *Journal of manipulative and physiological therapeutics* 33 (6), 425-431. 5. Babić, V., Čoh, M., Dizdar, D. (2011). Differences In Kinematic Parameters Of Athletes Of Different Running Qualit. *Biology of Sport* 28 (2), 115-121. 6. Paušić, J., Dizdar, D. (2011). Types of body posture and their characteristics in boys 10 to 13 years of age. *Collegium antropologicum*. 35(3), 747-754. 7. Pedišić, Ž., Jurakić, D., Rakovac, M., Hodak, D., Dizdar, D. (2011). Reliability of the Croatian long version of the international physical activity questionnaire. *Kinesiology* 43(2), 185-191. 8. Jozak, R., Perić, A., Bradić, A., Dizdar, D. (2011). Position-related differences in the amount, intensity and speed of movement in elite football players. *Homo Sporticus*,13(2), 16-22. 9. Mišigoj-Duraković, M., Bok, D., Sorić, M., Dizdar, D., Duraković, Z., Jukić, I. (2012). The Effect of Cigarette Smoking History on Muscular and Cardiorespiratory Endurance. *Journal of Addictive Diseases*, 31, 389–396.
4.	Number of successful mentorships that resulted in dissertation defence	9

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Dolenec Aleš**
1.	Home institution:	Sveučilište u Ljubljani, Fakultet za šport
2.	E-mail address:	ales.dolenec@fsp.uni-lj.si
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. DOLENEC, Aleš, ŠTIRN, Igor, STROJNIK, Vojko. Comparison of lower leg muscle activity in running on tarmac and grAsst. Footwear science, ISSN 1942-4280, Vol. 3, no. S1. Abingdon: Taylor & Francis Group, 2011, vol. 3, no. S1, str. S46-S47, 2. DOLENEC, Aleš, ŠKOF, Branko. The impact of fatigue on chosen kinematic parameters of running. *Acta Universitatis Carolinae. Kinanthropologica*, ISSN 1212-1428, 2009, vol. 45, no. 1, str. 41-45. 3. DOLENEC, Aleš, ČOH, Milan. Comparison of photocell and optojump measurements of maximum running velocity = Primerjava fotoceličnih in optojump meritev maksimalne tekaške hitrosti. *Kinesiologia Slovenica*, ISSN 1318-2269. [Print ed.], 2009, vol. 15, no. 2, str. 16-24. 4. TOMAŽIN, Katja, ŠKOF, Branko, DOLENEC, Aleš, ČOH, Milan. Gender-related differences in maximum mechanical power output in short-term activities in children and adoloscents = Spolne razlike u maksimalnoj mehaničkoj snazi tijekom kratkotrajnih aktivnosti kod djece i adolecenata.*Collegium antropologicum*, ISSN 0350-6134, 2008, vol. 32, no. 3, str. 821-828. 5. TOMAŽIN, Katja, DOLENEC, Aleš, STROJNIK, Vojko. High-frequency fatigue after alpine slalom skiing. *European journal of applied physiology*, ISSN 1439-6319. [Print ed.], 2008, vol. 103, no. 2, str. 189-194.
4.	Number of successful mentorships that resulted in dissertation defence	

Nr.	Title, last name, First name of the teacher	**Full Prof., Furjan-Mandić Gordana**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	gfurjan@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Zaletel, P., Furjan-Mandić, G. i Zagorc M. (2009). Differences in heart rate and lactate levels at three different workloads in step aerobics. *Kinesiology* 41 (1), 97-104. 2. Kondrič, M., Sekulić, D. i Furjan-Mandić, G. (2010). Substance use and misuse among Slovenian table tennis players. Substance use nad misuse, 45 (4), 543-553 3. Furjan-Mandić, G., Kondrič, M., Tušak, M., Rausavljević, N. i Kondrič, L. (2010). Sports students' motivation for participating in table tennis at the Faculty of Kinesiology in Zagreb. *International journal of table tennis sciences*, 6, 52-55. 4. Kondrič, M., G.Furjan-Mandić, G. Munivrana, (2011). Sports students' motivation in table tennis course at the Faculty of sport in Ljubljana. *Gymnasium- Journal of Physical Education and Sport* , no. 1, vol. XII, str. 154-159. 5. Radaš, J., G. Furjan-Mandić, L. Ružić (2012). Razlike u tjelesnoj aktivnosti između muškaraca i žena oboljelih od diabetes mellitusa. Hrvat. Športskomed. Vjesn. 2012; 27: 24-27 6. Peric, M., N. Zenic ,G. Furjan-Mandić, D. Sekulić, D. Šajber (2012). The Reliability, Validity and Applicability of Two Sport-Specific Power Tests in Synchronized Swimming. Journal of Human Kinetics volume 32/2012, 135-145. 7. Kondrič, M., J. Sindik, G. Furjan-Mandić, B. Schiefler (2013). Participation motivation and student's physical activity among sport students in three countries. *Journal of Sport Science and Medicine (2013), vol. 12* , str.10-18. 8. Furjan-Mandić, G., Ban, D., Medved, V., Radaš, J., Kondrič, M. (2013). Electromyographic indicators of the different abdominal muscles during abdominal exercises in aerobics. *World Academy of Science, Engineering and Technology 76* (1146-1148), Johannesburg, South Africa. 9. Furjan-Mandić, G., M. Perić, L. Krželj, S. Stanković and N. Zenic (2013). Sports Nutrition and Doping Factors in Synchronized Swimming: Parallel Analysis among Athletes and Coaches. *Journal of Sport Science and Medicine (2013), vol. 12 (4)* ,

		str. 753-760.
4.	Number of successful mentorships that resulted in dissertation defence	3

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Harasin Dražen**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	dharasin@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Harasin, D. Perković, M., Vidulin, N. (2013) Effects of two different training programs on the sit-up test in the seventh grade elementary school students. Hrvatski športsko-medicinski vjesnik. Vol. 27, Br. 2. (pp 84-88). 2. Sporiš, G., Harasin, D., Matika, D., Vuleta, D. and Bok, D. (2012). Effects of training program for special operations battalion on soldiers fitness characteristics. Journal of strength and conditioning research. 26(10), 2872- 2882. 3. Jovanović, M., Sporiš, G., Šopar, J., Harasin, D., Matika, D. (2012). The Effects of Basic Military Training on Shooting Tasks in Conditions of Sleep Deprivation. Kinesiology : international journal of fundamental and applied kinesiology. 44, 1; 169-177. 4. Sporiš, G., Jukić, I., Bok, D., Vuleta, D., Harasin, D. (2011). Impact Of Body Weight On Performace In Fitness Test Among Personnel Of The Croatian Navy. . Collegium antropologicum. 35 (2), 335-339. 5. Sporiš, G., Tomac, Z., Omrčen, D., Baić, M., Harasin, D. Motor Learning Without External Feedback When Testing Motor Coordination. Sport Science. 4 (2011) , 1; 84-88. 6. Harasin, D., Milanović, D., Čoh, M. (2010) 3D kinematics of the swing arm in the second double-support phase of rotational shot put– elite Vs sub-elite athletes. Kinesiology : international journal of fundamental and applied kinesiology. 42 (2010) , 2; 169-174. 7. Marković, G., Sekulić, D., Harasin, D., i Šimić, L. (2009) Gender differences in upper body explosive force production: Effects on maximal strenght and body size. Homo Sporticus, 11(1) 8-13. Fakultet sporta i tjelesnog odgoja, Sarajevo.
4.	Number of successful mentorships that resulted in dissertation defence	1

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Hraski Željko**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	zeljko.hraski@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Hraski, M., Hraski, Ž. (2010). Basic anthropometric characteristics of female alpine skiers in period 2006-2010. Croatian Sports Medicin Journal, 2010; 25; 81-86. 2. Rexepi, F., Hraski, Ž. (2010). A three-dimensional analysis of velocity of the centar of mass for judo throwing techniques Osoto Gari and Uchi Mata. Fizička kultura (Skopje), 2010; 38; 45-50. 3. Rexepi, F., Hraski, Ž. (2011). Osnovne biomehaničke karakteristike druge faze bacanja (Tskuri) judo nožne tehnike O Soto Gari. Sport Mont, časopis za sport fizičko vaspitanje i zdravlje. Br. 31.,32.,33./IX; 249-254. 4. Tomac, Z., Sporiš, G., Hraski Ž. (2012). The assessment of preschool children's motor skills after familiarization with motor tests. Journal of strength and conditioning research. 26 (2012) , 7; 1792-1800. 5. 3. Lorger, M., Hraski, M., Hraski, Ž. (2012). The effects of motor learning on results of standing long jump performed by female students. Sport Science 5 (2012) 1:27-31. 6. Možnik, M., Hraski, Ž., Hraski, M. (2013). Height, weight and age of male top level gymnasts in year 2007 and 20011, Croatian Sports Medicin Journal, Vol.28 No.1, Str. 14-23.
4.	Number of successful mentorships that resulted in dissertation defence	3

Nr.	Title, last name, First name of the teacher	**Full Prof., Idrizović Kemal**
1.	Home institution:	Fakultet za sport i fizičko vaspitanje, Nikšić Univerzitet Crne Gore
2.	E-mail address:	kemo@t-com.me
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Sublingual nucleotides prolong run time to exhaustion in young physically active men. Ostojic, S.M., Idrizovic, K., Stojanovic, M.D. Nutrients. 2013 Nov 21;5(11):4776-85. doi: 10.3390/nu5114776. 2. Differential analysis of the doping behaviour templates in three types of sports. Rodek, J., Idrizović, K., Zenić, N., Perasović, B., Kondric, M. Coll Antropol. 2013 May;37 Suppl 2:211-7. 3. A retrospective survey on injuries in Croatian football/soccer referees. Gabrilo, G., Ostojic, M., Idrizovic, K., Novosel, B., Sekulic, D. BMC Musculoskelet Disord. 2013 Mar 11;14:88. doi: 10.1186/1471-2474-14-88. 4. The correlation between aerobic power, acceleration, repeated-sprint and speed endurance in elite female football. Idrizovic, K., Raickovic, N. Research in physical education sport and health 2013., 2(2), 51-56. 5. Physiological diferencess between top elite and elite waterpolo players. Idrizović, K., Milošević, D., Pavlović, R. Sport Science, 2013, 6 (2), 59-65. 6. The Relationship Between Functional Motor Capacities and Their Influence on the Specific Movements in Elite Cadet Female Soccer. Idrizovic, K., Pavlovic, R., Vasiljevic, I., Pejovic, Z. Sports science and health, 2013, 3(2), 91-102.
4.	Number of successful mentorships that resulted in dissertation defence	

Nr.	Title, last name, First name of the teacher	**Full Prof., Janković Saša**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	sjanko@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Vukić T, Ivković A, Janković S. Stress Fracture of the Lateral Cuneiform Bone. JAPMA 2013; 103(4): 337-339. 2. Rod E, Ivkovic A , Boric I, Jankovic S, Radic A, Hudetz D. Acute hyperextension/valgus trauma to the elbow in top-level adult male waterpolo goalkeepers: A cause of osteochondritis disecans of the capitellum?. Injury 2013, 44: 46-48. 3. Dojčinović B, Šebečić B, Starešinić M, Janković S, Japjec M, Čuljak V. Surgical treatment of chronic groin pain in athletes. Int Orthop acc 17. 07 2012. 4. Pećina M, Ivković A, Hudetz D, Smoljanović T, Janković S. Sagittal osteotomy of the patella after Morscher. Int Orthop 2010; 34(2):297-303. 5. Kasović M, Mejovšek M, Matković B, Janković S, Tudor A. Electromyographic analysis of the knee using fixed-activation threshold after anterior cruciate ligament reconstruction. Int Orthop. 2011; 35(5) : 681-687. 6. Maldini B, Janković S, Šakić-Zdravčević K, Goranović T. Evaluating the analgesic efficacy of two anesthetic techniques during arthroscopic knee surgery. Period Biol 2009; 111: 273 - 278.
4.	Number of successful mentorships that resulted in dissertation defence	1

Nr.	Title, last name, First name of the teacher:	**Full Prof., Jukić Igor**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	ijukic@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Sporis, G., Jukić, I., Ostojić, S., Milanović, L. (2009). Fitness Profile of Elite Croatian Soccer Players. Journal of Strength and Conditioning Research (published ahead of print). 2. Sporiš, G., Jukić, I., Milanović, L., Vučetić, V. (2010). Reliability and Factorial Validity of Agility Tests for Soccer Players. // *The Journal of Strength & Conditioning Research*. 24, 3; 679- 3. Ostojić, S.M., M. Stojanović, I.Jukić, E. Pašalić, M. Jourkesh (2009). The effects of six weeks of training on physical fitness and performance in teenage and mature top-level soccer players. Biology of Sport, Vol. 26, 4, pp. 379-387. 4. Sporis, G.(40%), Milanovic, L. (20%); Jukic, I.(20%); Omrcen, D.(20%); Sampedro Molinuevo, J. (2010). The Effect Of Agility Training On Athletic Power Performance. // *Kinesiology : international journal of fundamental and applied kinesiology*. 41 (2010) , 1; 65-72. 5. Sporis, G. , Vucetic, V., Jukic, I., Jovanović, M.; Omrčen, D. (2010). Reliability and Factorial Validity of Flexibility Tests for Soccer Players: Method Paper. //Journal of Strength and Conditioning Research (PAP). 6. Sporis, G., Vucetic, V., Jukic, I., Omrcen, D., Bok, D. and Čustonja, Z. (2011). How Reliable Are the Equations for Predicting Maximal Heart Rate Values in Military Personnel? *Military Medicine, 176*(3), 437-351. 7. Sporis, G., Jukic, I., Bok, D., Vuleta, D.J., and Harasin, D. (2011). Impact Of Body Weight On Performace In Fitness Test Among Personnel Of The Croation Navy. *Collegium Antropologicum, 2,* 335-339. 8. Senka Rendulić Slivar, Dušan Perić, Sergej M. Ostojić, Igor Jukić, Danijel Marošević (2011). Importance of Use of Viscosupplementation and Kinesitherapeuthical Program at Mild and Moderate Stage of Knee Osteoartritis. Journal of US-China Medical Science, Vol. 8 (Serial Number 76), pp. 186.193.
4.	Number of successful mentorships that resulted in dissertation defence	5

Nr.	Title, last name, First name of the teacher	**Full Prof., Leko Goran**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	gleko@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Tiozzo, E., Leko, G., Ružić, L. (2009). Swimming bodysuit in all-out and constant-pace trials. Biology of sport, 26:149-156. (Indeksirano: SCI) 2. Šiljeg, K., Zoretić, D., Leko,G. (2009). Differences between youth swimmers with regard to some anthropometric characteristics anr motor abilities. Croatian Sports Medicine Journal 24(2). 113-118. (Indeksirano: CAB Abstracts). 3. Zoretić, D., Leko,G., Grčić – Zubčević,N. (2010).The influence of specific functional-motor abilities on freestyle swimming performance time. Acta Kinesiologica 42:69-72. (Indeksirano: INDEX COPERNICUS) 4. Leko,G., Šiljeg, K. Zoretić, D. (2011).Promjene odnosa antropometrijskih i motoričkih karakteristika unutar 6-mjesečnog perioda kod plivača adolescenata. Hrvatsko sportskomedicinski vjesnik. 26: 33-38. (Indeksirano: CAB Abstracts). 5. Leko, G., Šiljeg, K., Mikulić, P. (2011). Somatotip plivača. Hrvatsko sportskomedicinski vjesnik. 26: 83-87. (Indeksirano: CAB Abstracts). 6. Šiljeg, K., Leko, G., Mikulić, P. (2011). Situational success in 100-m backstroke event at the 2004 and 2008 European swimming championship. Sport Science 4 (2011) 2:28-31. (Indeksirano: CAB Abstracts).
4.	Number of successful mentorships that resulted in dissertation defence	2

Nr.	Title, last name, First name of the teacher:	**Assoc. Prof., Marković Goran**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	gmarkov@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Mikulić, P., Ružić, L., Marković, G. (2009). Evaluation of specific anaerobic power in 12-14-year-old male rowers. *Journal of Science and Medicine in Sport*, 12 (6): 662-666. 2. Šentija, D., Marković, G. (2009). The relationship between gait transition speed and the aerobic thresholds for walking and running. *International Journal of Sports Medicine*, 30 (11): 795-801. 3. Marković, G., Mikulić, P. (2010). Neuro-musculoskeletal and performance adaptations to lower-extremity plyometric training. *Sports Medicine*, 40 (10): 859-895. 4. Markovic, G., Vuk, S., Jaric, S. (2011). Effects of jump training with negative positive versus positive loading on jumping mechanics. *International Journal of Sports Medicine*, 32(5): 365-372. 5. Mikulić, P., Marković, G. (2011). Age- and gender-associated variation in maximal-intensity exercise performance in adolescent rowers. *International Journal of Sports Medicine*, 32(5): 373-378. 6. Mikulić, P., Blažina, T., Nevill, A.M., Marković, G. (2012). Modeling Longitudinal Changes in Maximal-Intensity Exercise Performance in Young Male Rowing Athletes. *Pediatric Exercise Science*, 24: 187-198. 7. Šimić, L., Šarabon, N., Marković, G. (2013). Does pre-exercise static stretching inhibit maximal muscular performance? A meta-analytical review. *Scandinavian Journal of Medicine and Science in Sports*, 23: 131-148. 8. Pažin, N., Berjan, B., Nedeljković, A., Marković, G., Jarić, S. (2013). Power output in vertical jumps: does optimum loading depend on activity profiles? *European Journal of Applied Physiology*, 113: 577-589. 9. Šarabon, N., Marković, G., Mikulić, P., Latash, M.L. (2013). Bilateral synergies in foot force production tasks. *Experimental Brain Research*, 227(1): 121-130. 10. Suzović, D., Marković, G., Pašić, M., Jarić. S. (2013). Optimum Load in Various Vertical Jumps Support the Maximum Dynamic Output Hypothesis. *International Journal of Sports Medicine*, In press.
4.	Number of successful mentorships that resulted in dissertation defence	4

Nr.	Title, last name, First name of the teacher:	**Full Prof., Matković Branka**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	e-mail dresa:	bmatkovic@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Petrić, Vilko; Novak, Dario; Matković, Branka; Podnar Hrvoje. Differences in the physical activity level of adolescent female students. // Croatian Journal of Education. 14 (2012) , 2; 275-291. 2. Kondrič, Miran; Matković, Branka; Furjan-Mandić, Gordana; Hadžić, Vedran; Dervišević, Edvin. 3. Injuries in Racket Sports among Slovenian Players. // Collegium Antropologicum. 35 (2011) , 2; 413-417. 4. Sporiš, Goran; Jovanović, Mario; Omrčen, Darija; Matković, Branka. 5. Can the official soccer game be considered the most important contribution to player's physical fitness level?. // Journal of sports medicine and physical fitness. 51 (2011) , 3; 374-380. 6. Kasović, Mario; Mejovšek, Mladen; Matković, Branka; Janković, Saša; Tudor, Anton. Electromyographic analysis of the knee using fixed activation threshold after anterior cruciate ligament reconstruction. // International orthopaedics. 35 (2010) , 5; 681-687. 7. Mikulić, Pavle: Smoljanović, Tomislav; Bojanić, Ivan; Hannafin, Jo A; Matković, Branka R. 8. Relationship between 2000-m rowing ergometer performance times and World Rowing Championships rankings in elite-standard rowers. // Journal of sports sciences. 27 (2009) , 9; 907-913
4.	Number of successful mentorships that resulted in dissertation defence	5

Nr.	Title, last name, First name of the teacher:	**Full Prof., Medved Vladimir**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	vladimir.medved@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Medved V, Ergovic V, Tonkovic S: Towards a high performance expert system for gait analysis (2008) IFMBE Proceedings, 22, 2105-2108. 2. Cifrek M, Medved V, Tonković S, Ostojić S: Surface EMG based muscle fatigue evaluation in biomechanics. Clinical Biomechanics, vol. 24, no. 4, 327-340, 2009. (uz pripadni „Editorial“: Medved V: Surface EMG application in clinical biomechanics. Clinical Biomechanics, vol. 24, no. 2, 121, 2009.) 3. Pribanić T, Peharec S, Medved V: A comparison between 2D plate calibration and wand calibration for 3D kinematic systems. Kinesiology, vol. 41, no. 2, 147-155, 2009. 4. Ergovic V, Tonkovic S, Medved V: Human gait data mining by symbol based descriptive features. (2009) IFMBE Proceedings, 25(9), 460-463. 5. Kovač I, Medved V: Ground reaction force analysis in traumatic transtibial amputee's gait. Collegium Antropologicum, vol. 33, suppl. 2, 107-113, 2009. 6. Kovač I, Medved V, Ostojić Lj: Spatial, temporal and kinematic characteristics of traumatic transtibial amputee's gait. Collegium Antropologicum, vol. 34, suppl. 1; 205-213, 2010. 7. Kovač I, Medved V, Kasović M, Heimer Ž, Lužar-Stiffler V, Pećina M: Instrumented joint mobility analysis in traumatic transtibial amputee patients. Periodicum biologorum, 2010. 112(1), 25-31. 8. Srhoj-Egerker V, Cifrek M, Medved V: The application of Hilbert-Huang transform in the analysis of muscle fatigue during cyclic dynamic contractions. Medical and Biological Engineering and Computing, vol. 49, 6, 659-669, 2011. 9. Ergovic V, Tonkovic S, Medved V: Symbolization and coding of colored signal representation in gait analysis. (2011) IFMBE Proceedings, 37, 822-825. 10. Medved V, Cifrek M: Kinesiological Electromyography, Biomechanics in Applications, Vaclav Klika (Ed.), ISBN: 978-953-307-969-1, InTech, 2011. http://www.intechopen.com/articles/show/title/kinesiological-electromyography 11. Kezić S, Medved V, Žagar M. Augmented healthcare contribution by measurement and assessment of locomotion kinematics with NI sensor. MIPRO 2012 - 35th International Convention on Information and

		Communication Technology, Electronics and Microelectronics - Proceedings, art. no. 6240770, 896-899. 12. Medved V: Električna svojstva mišića; elektromiografija u biomehanici (poglavlje 23) i Kinematika i kineziologija lokomocije (poglavlje 24) U: Nikolić, V., Hudec, M. i sur. (2011). Principi biomehanike, Zagreb: Naklada Ljevak, 463-496. 13. Havaš L, Skočir Z, Medved V: Modelling of the athlete's training decision support. Tehnički vjesnik - Technical Gazette 20, 2(2013), 315-322.
4.	Number of successful mentorships that resulted in dissertation defence	6

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Mikulić Pavle**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	pavle.mikulic@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Sarabon, N., Markovic, G., Mikulic, P., Latash, M.L. (2013). Bilateral sinergies in foot force production tasks. *Experimental Brain Research* [E-pub ahead of print]. 2. Mikulic, P., Blazina, T., Nevill, A.M., Markovic, G. (2012). Modeling longitudinal changes in maximal-intensity exercise performance in young rowing athletes. *Pediatric Exercise Science, 24, 187-198.* 3. Orepic, P., Mikulic, P., Soric, M., Ruzic, L., Markovic, G. (2012). Acute physiological responses to recreational in-line skating in young adults. *European Journal of Sport Science* [Epub ahead of print] 4. Klous, M., Mikulic, P., Latash, M.L. (2012). Early postural adjustments in preparation to whole-body voluntary sway. *Journalof Electromyography and Kinesiology, 22, 110-116.* 5. Soric, M., Mikulic, P., Misigoj-Durakovic, M., Ruzic, L., Markovic, G. (2011). Validation of the Sensewear Armband during recreational in-line skating. *European Journal of Applied Physiology, 112(3), 1183-1188.* 6. Klous, M., Mikulic, P., Latash, M.L. (2011). Two aspects of feed-forward postural control: Anticipatory postural adjustments and anticipatory synergy adjustments. *Journal of Neurophysiology, 105, 2275-2288.* 7. Mikulic, P., Markovic, G. (2011). Age- and Gender-Associated Variation in Maximal-Intensity Exercise Performance in Adolescent Rowers. *International Journal of Sports Medicine, 32, 373-378.* 8. Mikulic, P. (2011). Maturation to elite status: a six-year physiological case study of a world champion rowing crew. *European Journal of Applied Physiology*, 111(9), 2363-2368. 9. Mikulic, P. (2011). Development of aerobic and anaerobic power in adolescent rowers: a 5-year follow-up study. *Scandinavian Journal of Medicine and Science in Sp*orts, *21, e143-e149.* 10. Markovic, G., Mikulic, P. (2010). Neuro-musculoskeletal and performance adaptations to lower-extremity plyometric training. *Sports Medicine, 40(10), 859-895.*

4.	Number of successful mentorships that resulted in dissertation defence	

Nr.	Title, last name, First name of the teacher:	**Full Prof., Milanović Dragan**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	dragan.milanovic@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Milanović, D., Jukić, I., Vuleta, D., Gregov, C., Sporiš, G. (2009). Performance analysis in sport games - methodological approach. In Hoeckelman, A., Brummund, M. (Eds.), Proceedings Book of 8th World Congress of Performance Analysis in Sport, Magdeburg, 2009 (pp.37-48), Magdeburg: Otto-von-Guericke-Universität. 2. Sporis, G., Jukic, I., Ostojic, S.M., Milanovic, D. (2009). Fitness Profiling in Soccer: Physical and Physiologic Characteristics of Elite Players, The Journal of Strength & Conditioning Research, 23(7):1947-53. 3. Čustonja, Z., Milanović, D., Sporiš, G. (2009). Kinesiology in the Names of Higher Education Institutions in Europe and The United States Of America. Kinesiology 41 (2): 136-146. 4. Sporiš, G. ,Vuleta, D., Vuleta, D., Jr., Milanović, D. (2010). Fitness Profiling in Handball: Physical and Physiological Characteristics of Elite Players. Collegium Antropologicum, 34 (3): 1009-1014. 5. Dražen Harasin, Dragan Milanović i Milan Čoh (2010), *3D* Kinematics of the Swing Arm in the Second Double Support Phase of Rotational Shot put – Elite vs. Subelite Athletes, Kinesiology, 42, 2, 169-174. 6. Rogulj,N., Vuleta, D., Milanović, D., Čavala, M., Foretić, N. (2011). The efficiency of elements of collective attack tactics in handball. *Kinesiologia Slovenica* 17(1): 5-14. 7. Milanović, D., Šalaj, S. i Gregov, C. 2012). Opća kondicijska priprema u funkciji zaštite zdravlja sportaša. Arhiv za higijenu rada i toksikologiju – SCI, SCOPUS, Pub MED, IF. 2011, 1,048, *63* (Suppl. 3), 103-110. 8. Neljak, B., Milanović, D., Novak, D. i Petrić, V. (2013) Smjernice znanstvenih istraživanja u kineziološkoj edukaciji, U: Metodike u suvremenom odgojno-obrazovnom sustavu (Znanstvena monografija) Ur: D. Milanović, A. Bežen i V. Domović, AOOZH, Zagreb, str,148-161. 9. Selmanović.A., Milanović, D. i Čustonja, Z. (2013), Effects of additional basketball and volleyball program on motor abilities of fifth grade elementary school students, Collegium antropologicum,

		(prihvaćeno za objavljivanje)
4.	Number of successful mentorships that resulted in dissertation defence	4

Nr.	Title, last name, First name of the teacher	**Assoc. Prof., Mirkov Dragan**
1.	Home institution:	Sveučilište u Beogradu, Fakultet sporta i tjelesnog odgoja
2.	E-mail address:	dmirkov@gmail.com
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Knezevic O, Mirkov DM (2013) Strength assessment in athletes following an anterior cruciate ligament injury. Kinesiology. 45 (1): 3-15. 2. Markovic S, Mirkov DM, Knezevic OM, Jaric S (2013) Jump training with different loads: effects on jumping performance and power output. Eur J Appl Physiol. 113 (10): 2511-2521. 3. Knezevic O, Mirkov DM. (2013) Trunk muscle activation pattern in subjects with low back pain, Vojnosanitetski pregled. 70 (3):315-8. 4. Knezevic O, Mirkov DM, Kadija M, Milovanovic D, Jaric S. (2012) Alternating consecutive maximum contraction as a test of muscle function in athletes following ACL reconstruction. Journal of Human Kinetics. Dec, 35: 5-13 5. Sekulic D, Spasic M, Mirkov D, Cavar M, Sattler T. (2013) Gender-specific influences of balance, speed and power on agility performance Laboratory of Sport Medicine, Faculty of Sport, University of Ljubljana, Slovenia. J Strength Cond Res. 27 (3): 802-811 6. Bacvarevic BB, Pazin N, Bozic PR, Mirkov D, Kukolj M, Jaric S. (2012) Evaluation of a composite test of kicking performance. J Strength Cond Res, 26(7):1945-52. 7. Dubljanin-Raspopović E, Kadija M, Mirkov D, Bumbasirević M (2011) Importance of open and closed kinetic chain exercises after anterior cruciate ligament reconstruction. Vojnosanit Pregl. 2011 Feb;68(2):170-4 (Serbian). 8. Kadija M, Knezevic O, Milovanovic D, Bumbasirevic M, Mirkov DM.(2010) Effect of isokinetic dynamometer velocity on muscle strength deficite in elite athletes. Medicina Dello Sport, 63(4): 495-508. 9. Mirkov DM, Kukolj M, Ugarkovic D, Koprivica VJ, Jaric S (2010) Development of anthropometric and physical performance profiles of young elite male soccer players: a longitudinal study. J Strength Cond Res. 24(10): 2677-2682. 10. Nedeljkovic A, Mirkov DM, Markovic S, Jaric S. (2009) Tests of Muscle Power Output Assess Rapid Movement Performance When Normalized for Body

		Size. J Strength Cond Res. 23(5): 1593-1605.
4.	Number of successful mentorships that resulted in dissertation defence	3

Rbr	Title, last name, First name of the teacher	**Full Prof., Mišigoj-Duraković Marjeta**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	mmisigoj@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Mišigoj Duraković M, Bok D, Soric M, Dizdar D Duraković Z, Jukic I. The Effect of Cigarette Smoking History on Muscular and Cardio-Respiratory Endurance. J Addict Dis. 2012;31(4):389-96; 2. Soric M, Turkalj M, Kucic D, Marusic I, Plavec D, Misigoj-Durakovic M. Validation of a multi-sensor activity monitor for assessing sleep in children and adolescents . Sleep Medicine 2013 Feb;14(2):201-5. doi: 0.1016/j.sleep.2012.11.003. 3. Duraković Z, Mišigoj Duraković M, Škavić J. Swimming – Triggered acute cardiovascular complications in elderly. Journal of Clinical and Experimental cardiology; 2012; S 10:002. doi:10.4172/2155-9880.S10-002. 4. Soric M, Mikulic P, Misigoj-Durakovic M, Ruzic L, Markovic G. Validation of the Sensewear Armband during recreational in-line skating. Eur J Appl Physiol. 2012; 112(3):1183-8. 5. Duraković Z, Mišigoj Duraković M, Škavić J. Definis Gojanović M. Unexpected Sudden Death due to recreational swimming and diving in men in Croatia in a 14 -year period. Collegium Antropologicum; 2012; 36(2) ; 641-645. 6. Mišigoj-Duraković M, Sorić M, Duraković Z. Tjelesna aktivnost u prevenciji, liječenju i rehabilitaciji srčanožilnih bolesti. Arh Hig Rada Toksikol 2012;63(Supplement 3):13-22 7. Duraković Z, Mišigoj Duraković M, Škavić J. Arrhythmogenic Right Ventricular Dysplasia and Sudden Cardiac Death in Croatians, Young Athletes in 25 Years. Collegium Antropologicum; 2011; 35(3) ; 793-796. 8. Misigoj-Durakovic M. "Anthropometry in premenarcheal female esthetic sports athletes and ballerinas. Chapter 111. in: The Handbook of Anthropometry: Physical Measures of Human Form in Health and Disease, Editor: V.R. Preedy, Springer, 2012; 1817-1836. 9. Duraković Z, Mišigoj Duraković M, Škavić J. Hypertrophic cardiomyopathy and Sudden Cardiac Death due to physical exercise in croatia in a 27-year period. Collegium Antropologicum; 2011; 35(4) ; 1051-1054. 10. Sorić,M;Mišigoj-Duraković,M. Physical activity levels

		and estimated energy expenditure in overweight and normal-weight 11-year-old children. Acta paediatrica (Oslo). 99 (2010) , 2; 244-250.
4.	Number of successful mentorships that resulted in dissertation defence	5

Nr.	Title, last name, First name of the teacher	**Full Prof. Ostojić Sergej**
1.	Home institution:	Sveučilište u Novom Sadu, Fakultet sporta i tjelesnog odgoja; Sveučilište u Beogradu, Medicinski fakultet
2.	E-mail address:	sergej.ostojic@chess.edu.rs
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Ostojic SM, Stojanovic MD, Calleja-Gonzalez J, Olcina G, Sekulic D, Hoffman JR. Performance-enhancing effects of non-selective endothelin receptor antagonist. *International Journal of Cardiology*, 2014;171(2):294-297. 2. Ostojic SM, Stojanovic MD. Hydrogen-rich water affected blood alkalinity in physically active men. *Research in Sports Medicine,* 2014;22(1):49-60. 3. Ostojic SM, Idrizovic K, Stojanovic MD. Sublingual nucleotides prolong run time to exhaustion in young physically active men. *Nutrients*, 2013;5(11):4776-4785. 4. Ostojic SM, Niess B, Stojanovic M, Obrenovic M. Creatine metabolism and safety profiles after six-week oral guanidinoacetic acid administration in healthy humans. *International Journal of Medical Sciences*, 2013;10(2):141-147. 5. Ostojic SM, Niess B, Stojanovic M, Obrenovic M. Co-administration of methyl donors along with guanidinoacetic acid reduces the incidence of hyperhomocysteinemia compared to guanidinoacetic acid administration alone. *British Journal of Nutrition*, 2013;110(5):865-870. 6. Ostojic SM. Prediction of adult height by Tanner-Whitehouse method in young Caucasian male athletes. *QJM*, 2013;106(4):321-345. 7. Ostojic SM, Stojanovic MD, Djurovic D. Effects of coffee-berry extract on plasma total phenolic content and antioxidant capacity in active men. *Science and Sports*, 2012;27(5):308-311. 8. Ostojic SM. Serum alkalization and hydrogen-rich water in healthy men. *Mayo Clinic Proceedings*, 2012;87(5):501-502. 9. Ostojic SM, Obrenovic M. Sublingual nucleotides and immune response to exercise. *Journal of the International Society of Sports Nutrition*, 2012;9(1):31. 10. Ostojic SM, Stojanovic M, Calleja-Gonzalez J. Ultra short-term heart rate recovery after maximal exercise: relations to aerobic power in sportsmen. *Chinese Journal of Physiology*, 2011;54(2):105-110.
4.	Number of successful mentorships that resulted in dissertation defence	3

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Peharec Stanislav**
1.	Home institution:	Clinic for physical therapy and medical rehabilitation in Pula
2.	E-mail address:	stanislav@peharec.com
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Klasan GS, Ivanac D, Erzen DJ, Picard A, Takasawa S, Peharec S, Arbanas J, Girotto D, Jerkovic R.Reg3G gene expression in regenerating skeletal muscle and corresponding nerve.Muscle Nerve. 49(1):61-8,2014. 2. Arbanas J, Pavlovic I, Marijancic V, Vlahovic H, Starcevic-Klasan G, Peharec S, Bajek S, Miletic D, Malnar D. MRI features of the psoas major muscle in patients with low back pain.Eur Spine J. 22(9):1965-71,2013. 3. Rade M, Shacklock M, Peharec S, Bačić P, Candian C, Kankaanpää M, Airaksinen O. Effect of cervical spine position on upper limb myoelectric activity during pre-manipulative stretch for Mills manipulation: a new model, relations to peripheral nerve biomechanics and specificity of Mills manipulation. J Electromyogr Kinesiol. 22(3):363-9, 2012. 4. Girotto D, Ledić D, Strenja-Linić I, Peharec S, Grubesić A. Clinical and medicolegal characteristics of neck injuries. Coll Antropol. 35 Suppl 2:187-90, 2011. 5. Jerković R, Bosnar A, Jurisić-Erzen D, Azman J, Starcević-Klasan G, Peharec S, Coklo M. The effects of long-term experimental diabetes mellitus type I on skeletal muscle regeneration capacity. Coll Antropol. 33(4):1115-9, 2009. 6. Starcević-Klasan G, Cvijanović O, Peharec S, Zulle M, Arbanas J, Ivancić Jokić N, Bakarcić D, Malnar-Dragojević D, Bobinac D. Anthropometric parameters as predictors for iliopsoas muscle strength in healthy girls and in girls with adolescent idiopathic scoliosis. Coll Antropol. 32(2):461-6, 2008. 7. Tomislav Pribanić, Peter Sturm, Stanislav Peharec. Wand-based calibration of 3D kinematic system. IET Computer Vision. 3 (3); 124-129, 2009. 8. Tomislav Pribanić, Stanislav Peharec, Vladimir Medved. A comparison between 2D plate calibration and wand calibration for 3D kinematic systems. Kinesiology: International journal of fundamental and applied kinesiology. 41 (2), 147-155, 2009.
4.	Number of successful mentorships that resulted in dissertation defence	

Nr.	Title, last name, First name of the teacher	**Full Prof., Pišot Rado**
1.	Home institution:	Sveučilište Primorsko u Kopru
2.	E-mail address:	rado.pisot@zrs.upr.si
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. ADAMI, Alessandra, PIZZINELLI, Paolo, BRINGARD, Aurélien, CAPELLI, Carlo, MALACARNE, M., LUCINI, D., ŠIMUNIČ, Boštjan, PIŠOT, Rado, FERRETTI, Guido. Cardiovascular re-adjustments and baroreflex response during clinical reambulation procedure at the end of 35-day bed rest in humans. Applied physiology, nutrition and metabolism, 2013, vol. 38, no. 6, str. 673-680, 2. RODRÍGUEZ-RUIZ, David, GARCÍA-MANSO, Juan Manuel, RODRÍGUEZ-MATOSO, Dario, SARMIENTO, S., DA SILVA-GRIGOLETTO, Marzo, PIŠOT, Rado. Effects of age and physical activity on response speed in knee flexor and extensor muscles. Eur. Rev. Aging phys. Act., 2013, online first, 6 str., 3. LI, Ruowei, NARICI, Marco V., ERSKINE, Robert M., SEYNNES, Olivier, RITTWEGER, Joern, PIŠOT, Rado, ŠIMUNIČ, Boštjan, FLÜCK, M. Costamere remodeling with muscle loading and unloading in healthy young men. J Anat, 2013, early view, str. 1-12, 4. SALVADEGO, Desy, DOMENIS, R., LAZZER, Stefano, PORCELLI, Simone, RITTWEGER, Joern, RIZZO, Giovanna, MAVELLI, I., ŠIMUNIČ, Boštjan, PIŠOT, Rado, GRASSI, Bruno. Skeletal muscle oxidative function in vivo and ex vivo in athletes with marked hypertrophy from resistance training. J Appl Physiol, 2013, vol. 114, no. 11, str. 1527-1535, 5. IOVINO, Paola, CHIARIONI, Giuseppe, BILANCIO, Giancarlo, CIRILLO, Massimo, MEKJAVIĆ, Igor B., PIŠOT, Rado, CIACCI, Carolina. New onset of constipation during long-term physical inactivity : a proof-of-concept study on the immobility-induced bowel changes. PloS one, 2013, vol. 8, iss. 8, str. 1-8, 6. VOLMUT, Tadeja, PIŠOT, Rado, ŠIMUNIČ, Boštjan. Objectively measured physical activity in children aged from 5 to 8 years = Objektivno izmerjena gibalna aktivnost od pet- do osemletnih otrok. Zdravstveno varstvo. [Tiskana izd.], 2013, letn. 52, št. 1, str. 9-18 7. GASPARINI, Mladen, ŠABOVIČ, Mišo,

		GREGORIC, Igor D., ŠIMUNIČ, Boštjan, PIŠOT, Rado. Increased fatigability of the gastrocnemius medialis muscle in individuals with intermittent claudication. Eur. J. vasc. Endovasc. Surg., 2012, vol. 44, iss. 2, str. 170-176. 8. SALVADEGO, Desy, LAZZER, Stefano, MARZORATI, Mauro, PORCELLI, Simone, REJC, Enrico, ŠIMUNIČ, Boštjan, PIŠOT, Rado, DI PRAMPERO, Pietro Enrico, GRASSI, Bruno. Functional impairment of skeletal muscle oxidative metabolism during knee-extension exercise after bed rest. J Appl Physiol, 2011, vol. 111, no. 6, str. 1719-1726. 9. DOLENC, Petra, PIŠOT, Rado. Effects of long-term physical inactivity on depressive symptoms, anxiety, and coping behaviour of young participants. Kinesiology (Zagreb). [English ed.], 2011, vol. 43, iss. 2, str. 178-184. 10. ŠIMUNIČ, Boštjan, DEGENS, H., RITTWEGER, Joern, NARICI, Marco, MEKJAVIĆ, Igor B., PIŠOT, Rado. Noninvasive estimation of myosin heavy chain composition in human skeletal muscle. Med. Sci. sports exerc., 2011, vol. 43, iss. 9, str. 1619-1625.
4.	Number of successful mentorships that resulted in dissertation defence	4

Nr.	Title, last name, First name of the teacher:	**Full Prof., Ružić Lana**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	lana.ruzic@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Soric M, Mikulic P, Misigoj-Durakovic M, Ruzic L, Markovic G. Validation of the Sensewear Armband during recreational in-line skating. *Eur J Appl Physiol*. 2012 Mar;112(3):1183-8. IF:2,214, CC 2. Ružić L, Tudor A. Risk-taking behavior in skiing among helmet wearers and non wearers. *Wilderness Environ Med*. 2011;22(4):291-6. IF:0,558 SCI 3. Tudor A, Ruzic L, Bencic I, Sestan B, Bonifacic M. Ski helmets could attenuate the sounds of danger. *Clin J Sport Med*. 2010 May;20(3):173-8. IF:2,110,CC 4. Prpić T, Tudor A, Ružić L, Šestan B, Čanaki M, Gulan G, Mađarević T, Legović D, Rakovac I.The influence of test repetition on bipodal visually controlled static and dynamic balance. *Collegium anthropol*ogicum. 34 (2010) , supp 1; 135-41. IF:0,420 ,CC 5. Tudor A, Ruzic L, Sestan B, Sirola L, Prpic T. Flat-footedness is not a disadvantage for athletic performance in children aged 11 to 15 years. *Pediatrics*. 2009;123(3):e386-92. IF:5,391, CC 6. Ruzic L, Sporis G, Matkovic BR. High volume-low intensity exercise camp and glycemic control in diabetic children. *J Paediatr Child Health* 2008 Mar;44(3):122-8. IF: 1,221, CC 7. Sporis G, Ruzic L, , Leko G. Effects of a New Experimental Training Program on VO_{2max} and Running Performance. *J Sports Medicine Phys Fitness*. 2008 Jun;48(2):158-65. IF: 0,923, CC 8. Mikulić P , Ružić L , Marković G. Evaluation of specific anaerobic power in 12-14 year-old male rowers. *J Sci Med Sports*. 2009 Nov;12(6):662-6. IF 5-god: 2,694, SCI 9. Sporis G, Ruzic L, Leko G. The anaerobic endurance of elite soccer players improved following a high-intensity training intervention in the 8-week conditioning program, Journal of Strength and Conditioning Research. J Strength Cond Res. 2008 Mar;22(2):559-66. IF: 1,848, SCI 10. Mikulic P, Ruzic L. Predicting the 1000m rowing ergometer performance in 12-13-year-old rowers: The basis for selection process? *J Sci Med Sports*. 2008;11(2):218-25. IF 5-god: 2,694, SCI
4.	Number of successful	5

	mentorships that resulted in dissertation defence	

Nr.	Title, last name, First name of the teacher	**Full Prof., Sekulić Damir**
1.	Home institution:	Sveučilište u Splitu, Kineziološki fakultet
2.	E-mail address:	dado@kifst.hr
3.	The List of publications in the last five years which quali	1. Peric M, Cavar M, Zenic N, Sekulic D, Sajber D (2014) Predictors of competitive achievement among pubescent synchronized swimmers: an analysis of the solo-figure competition. Journal of Sports Medicine and Physical Fitness, 54(1):16-26 2. Uljevic O, Spasic M, Sekulic D (2013) Sport-specific motor fitness tests in water polo; reliability, validity and playing position differences. Journal of Sports Science and Medicine, 12(4) 646-654. 3. Cavar M, Corluka M, Cerkez I, Culjak Z, Sekulic D (2013) Are Various Forms of Locomotion-Speed Diverse or Unique Performance Quality? Journal of Human Kinetics, 33 (3), 53-61. 4. Kondric M, Zagatto MA, Sekulic D (2013) The physiological demands of table tennis: A review. Journal of Sports Science and Medicine, 12(3) 362-370. 5. Spasic M, Uljevic O, Coh M, Dzelalija M, Sekulic D (2013) Predictors of agility performance among early pubescent girls. International Journal of Performance Analysis in Sport, 13(2) 480-499. 6. Kondric M, Sekulic D, Uljevic O, Gabrilo G, Zvan M (2013) Sport nutrition and doping in tennis: An analysis of athletes' attitudes and knowledge. Journal of Sports Science and Medicine, 12(2) 290-297. 7. Sajber D, Peric M, Spasic M, Zenic N, Sekulic D (2013) Sport-specific and anthropometric predictors of 348ynchronized swimming performance. International Journal of Performance Analysis in Sport, 13(1) 23-37. 8. Zenic N, Stipic M, Sekulic D (2013) Religiousness as a factor of hesitation against

	fy the su per vis or as an act ive res ear ch er or art ist in the sci ent ifi c or art isti c fie ld in wh ich the do cto ral stu dy is pr op os ed (pa per s in sci ent ifi	doping behavior in college-age athletes. Journal of Religion and Health, 52(2) 386-396. 9. Gabrilo G, Ostojic M, Idrizovic K, Novosel B, Sekulic D (2013) A retrospective survey on injuries in Croatian football/soccer referees. BMC Musculoskeletal Disorders, 14-88. http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitationReport&qid=4&SID=N2C6MdHoioeJ5mmGCmp&page=1&doc=1 10. Sekulic D, Spasic M, Mirkov D, Cavar M, Sattler T (2013) Gender-specific influences of balance, speed, and power on agility performance. Journal of Strength and Conditioning Research, 27(3) 802-811.http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=2&SID=W1hf92J4pfJkPPEEE3o&page=1&doc=1&cacheurlFromRightClick=nohttp://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=W2Kj62@giCICkanKC4E&page=1&doc=5&cacheurlFromRightClick=no

	c journals and scientific books, 5 – 10 publications)	
4.	Number of successful mentorships that resulted in dissertation defence	4

Nr.	Title, last name, First name of the teacher	**Full Prof., Sertić Hrvoje**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	hrvoje.sertic@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Sterkowicz, S., Rukasz, W., Weiss, P., Sertic H. (2008). Wellness in male and female versus judo training (a pilot study) Archives Of Budo Vol. 4; pp 50-55. 2. Sertić, H., Sterkowicz, S., Vuleta, D. (2009). Influence of latent motor abilities on performance in judo. Kinesiology, Vol. 41 (1); 76-87 3. Sertić, H., Segedi, I., Cvetković, Č., Baić, M. (2008). Influence of a programmed judo training on changes of anthropological features in children attending sport schools. IDO-Movement for Culture, Vol. 9(1); 181-189. 4. Sertić, H., Vidranski, T., Segedi, I. (2011). Construction and Validation of a Measurement Instrument for Evaluation of Specific Agility in Karate. IDO-Movement for Culture, Vol. 11(1); 37-41. 5. Sertić, H., Segedi, I., Prskalo, I. (2010). Dinamika razvoja antropoloških obilježja tijekom dvogodišnjeg perioda kod nesportaša, dječaka koji se bave momčadskim športovima i judaša. Napredak, Vol.151 (3-4);466-481. 6. Karinčić, H., Baić, M., Sertić, H. (2011). Comparasion of lactate curves in a wrestling match at the beginning and at the end of competition period for elite Croatian Greco-Roman wrestlers. IDO-Movement for Culture, Vol. 11(4); 37-44. 7. Sertić, H., Segedi, I., Trošt, T. (2012). Sportske ozljede u Judu. Hrvatski Športskomedicinski Vjesnik. 26: 71-77. 8. Sertić, H., Segedi, I., Vidranski, T. (2012). Situational efficiency of arm and leg techniques in a karate fight of top-level female karate competitors. IDO-Movement for Culture, Vol. 12(2); 44-49. 9. Sertić, H., Segedi, I. (2012). Structure of importanceof techniques of throws in differnt age groups in men judo. Journal of Combat Sports and Martial Arts, 1(2), Vol. 3, 59-62
4.	Number of successful mentorships that resulted in dissertation defence	5

Nr.	Title, last name, First name of the teacher	**Assoc. Prof., Sporiš Goran**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	gsporis@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Sporiš, G., Šamija, K., Vlahović, T., Milanović, Z., Barišić, V., Bonacin, D. and Talović, M.(2012). The Latent Structure of Soccer in the Phases of Attack and Defense. Collegium antropologicum, 36 (2), 593-603. 2. Sporiš, G., Jovanović, M., Omrčen, D. and Matković, B.(2011). Can the official soccer game be considered the most important contribution to player's physical fitness level?. Journal of sports medicine and physical fitness, 51(3), 374-380. 3. Sporiš, G., Vučetić, V., Jovanović, M., Ručević, M., Milanović, Z., Vuleta, D.(2011).Are There Any Differences in Power Performance and Morphological Characteristics of Croatian Adolescent Soccer Players According to the Team Position?. Collegium Antropologicum, 35(4), 1089-1094. 4. Milanović, Z., Sporiš, G., Trajković, N., James, N. and Šamija, K.(2013). Effects of a 12 week saq training programme on agility with and without the ball among young soccer players. Journal of Sports Science and Medicine, 12(1), 97-103. 5. Jovanovic, M., Sporis, G. and Milanovic, Z. (2011). Differences in Situational and Morphological Parameters between Male Soccer and Futsal – A Comparative StudyInternational Journal of Performance Analysis in Sport, 11(2), 228-239. 6. Milanović, Zoran; Pantelić, Saša; Trajković, Nebojša; Sporiš, Goran; Kostić, Radmila; James, Nic. Age-Related Decrease in Physical Activity and Functional Fitness Among Elderly Men and Women. // Clinical Interventions in Aging. 8 (2013) , 8; 549-556 7. Miljković, Zvonko; Sporiš, Goran; Željko, Vukić; Milanović, Zoran; Pantelić, Saša. Differences in Body Composition and Physical Fitness in Elderly Men and Women. // Journal of Chemistry and Chemical Engineering. 7 (2013) , 2013; 560-565 8. Milanović, Zoran; Pantelić, Saša; Trajković, Nebojša; Sporiš, Goran; Aleksandrović, Marko. The Effects of Physical Exercise on Reducing Body Weight and Body Composition of Obese Middle Aged People. A Systematic review. // HealthMED.

		6 (2012) , 6; 2175-2189 9. Pantelić, Saša; Ranđelović, Nebojša; Milanović, Zoran; Trajković, Nebojša; Sporiš, Goran; Kostić, Radmila. Physical activity of elderly women in terms of age □. // Facta Universitatis. Series: physical dducation and sport. 10 (2012) , 4; 289-296 10. Milanović, Zoran; Pantelić, Saša; Trajković, Nebojša; Sporiš, Goran. Basic anthropometric and body composition characteristics in elderly population: A Systematic Review. // Facta Universitatis. Series: physical dducation and sport. 9 (2011) , 2; 173-182
4.	Number of successful mentorships that resulted in dissertation defence	2

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Šarabon Nejc**
1.	Home institution:	Sveučilište Primorsko u Kopru
2.	E-mail address:	nejc.sarabon@s2p.si
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. ŠARABON, Nejc, MARKOVIĆ, Goran, MIKULIĆ, Pavle, LATASH, Mark L. Bilateral synergies in foot force production tasks. Experimental Brain Research, ISSN 0014-4819, 2013, vol. 227, iss. 1, str. 121-130. 2. ŠARABON, Nejc, ROŠKER, Jernej. Effect of 14 days of bed rest in older adults on parameters of the body sway and on the local ankle function. Journal of electromyography and kinesiology, ISSN 1050-6411. [Print ed.], 2013, in Press, str. 1-7. 3. ŠARABON, Nejc, PANJAN, Andrej, ROŠKER, Jernej, FONDA, Borut. Functional and neuromuscular changes in the hamstrings after drop jumps and leg curls. Journal of Sports Science and Medicine, ISSN 1303-2968. [Online ed.], 2013, vol. 12, no. 3, str. 431-438. 4. SIMIĆ, Luka, ŠARABON, Nejc, MARKOVIĆ, Goran. Does pre-exercise static stretching inhibit maximal muscular performance? : a meta-analytical review. Scandinavian journal of medicine & science in sports, ISSN 0905-7188, 2013, vol. 23, iss. 2, str. 131-148. 5. ŠARABON, Nejc, FONDA, Borut, MARKOVIČ, Goran. Change of muscle activation patterns in uphill cycling of varying slope. European journal of applied physiology, ISSN 1439-6319. [Print ed.], 2012, vol. 112, no. 7, str. 2615-2623.
4.	Number of successful mentorships that resulted in dissertation defence	2

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Šentija Davor**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	dsentija@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Šentija D, Rakovac M, Babić V (2012). Anthropometric characteristics and gait transition speed in human locomotion. Hum Mov Sci 31:672-682. 2. Mikulić P, Vučetić V, Šentija D (2011). Strong relationship between heart rate deflection point and ventilatory threshold. J Strength Cond Res 25(2):360-366. 3. Antoncic-Svetina M, Sentija D, Cipak A, Milicic D, Meinitzer A, Tatzber F, Andrisic L, Zelzer S, Zarkovic N (2010). Ergometry induces systemic oxidative stress in healthy human subjects. Tohoku J Exp Med 221(1):43-48. 4. Šentija D, Marković G (2009). The relationship between gait transition speed and the aerobic thresholds for walking and running. Int J Sports Med 30:795-801. 5. Sentija D, Marsić T, Dizdar D. The effects of strength training on some parameters of aerobic and anaerobic endurance. Coll Antropol. 2009 Mar;33(1): 111-6.
4.	Number of successful mentorships that resulted in dissertation defence	3

Nr.	Title, last name, First name of the teacher	**Full Prof., Škof Branko, PhD**
1.	Home institution:	University of Ljubljana, Faculty of Sport
2.	E-mail address:	branko.skof@fsp.uni-lj.si
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. AUERSPERGER, Irena, ŠKOF, Branko, LESKOŠEK, Bojan, KNAP, Bojan, JERIN, Aleš, LAINŠČAK, Mitja. Exercise-induced changes in iron status and hepcidin response in female runners. *PloS one*, ISSN 1932-6203, 2013, vol. 8, issue 3. 2. AUERSPERGER, Irena, KNAP, Bojan, JERIN, Aleš, BLAGUS, Rok, LAINŠČAK, Mitja, SKITEK, Milan, ŠKOF, Branko. The effects of 8 weeks of endurance running on hepcidin concentrations, inflammatory parameters and iron status in female runners. *International journal of sport nutrition and exercise metabolism.* , 2012, vol. 22, issue 1, str. 55-63. 3. BRATINA, Nataša, HADŽIĆ, Vedran, BATTELINO, Tadej, PISTOTNIK, Borut, PORI, Maja, ŠAJBER, Dorica, ŽVAN, Milan, ŠKOF, Branko, JURAK, Gregor, KOVAČ, Marjeta, DERVIŠEVIĆ, Edvin. Slovenske smernice za telesno udejstvovanje otrok in mladostnikov v starostni skupini od 2 do 18 let = Slovenian guidelines for physical activity in children and adolescents in the age group 2-18 years. *Zdravniški vestnik*, 2011, letn. 80, št. 12, str. 885-896. 4. ŠKOF, Branko, MILIĆ, Radoje. Vpliv 6-mesečnega vadbenega programa na vzdržljivost in parametre aerobne sposobnosti odraslih žensk = The effect of a six-month training programme on the endurance and aerobic capacity parameters of adult women. *Zdravstveno varstvo*, 2010, letn. 49, št. 3, str. 124-131. 5. TOMAŽIN, Katja, ŠKOF, Branko, DOLENEC, Aleš, ČOH, Milan. Gender-related differences in maximum mechanical power output in short-term activities in children and adoloscents = Spolne razlike u maksimalnoj mehaničkoj snazi tijekom kratkotrajnih aktivnosti kod djece i adolecenata. *Collegium antropologicum*, ISSN 0350-6134, 2008, vol. 32, no. 3, str. 821-828. 6. ŠKOF, Branko, STROJNIK, Vojko. Differences in neuromuscular fatigue after aerobic and anaerobic running loads. *Biology of Sport*, 2008, vol. 25, no. 4, str. 307-320.
4.	Number of successful mentorships that resulted in dissertation defence	2

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Tomažin Katja**
1.	Home institution:	Sveučilište u Ljubljani, Fakultet za šport
2.	E-mail address:	katja.tomazin@fsp.uni-lj.si
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Degache F, Guex K, Fourchet F, Morin JB, Millet GP, Tomazin K, Millet GY. Changes in running mechanics and spring-mass behaviour induced by a 5-hour hilly running bout. J Sports Sci. 2013; 31(3):299-304. 2. Tomazin K, Morin JB, Strojnik V, Podpecan A, Millet GY. Fatigue after short (100-m), medium (200-m) and long (400-m) treadmill sprints. Eur J Appl Physiol. 2012; 112(3):1027-36. 3. Morin JB, Tomazin K, Samozino P, Edouard P, Millet GY. High-intensity sprint fatigue does not alter constant-submaximal velocity running mechanics and spring-mass behavior. Eur J Appl Physiol. 2012; 112(4):1419-28. 4. Millet GY, Tomazin K, Verges S, Vincent C, Bonnefoy R, Boisson RC, Gergelé L, Féasson L, Martin V. Neuromuscular consequences of an extreme mountain ultra-marathon. PLoS One. 2011, 22;6(2):e17059. 5. Fourchet F, Millet GP, Tomazin K, Guex K, Nosaka K, Edouard P, Degache F, Millet GY. Effects of a 5-h hilly running on ankle plantar and dorsal flexor 6. force and fatigability. Eur J Appl Physiol. 2012; 112(7):2645-52. 7. Morin JB, Samozino P, Edouard P, Tomazin K. Effect of fatigue on force production and force application technique during repeated sprints. J Biomech. 2011; 44(15):2719-23.
4.	Number of successful mentorships that resulted in dissertation defence	

Nr.	Title, last name, First name of the teacher	**Full Prof., Vuleta Dinko**
1.	Home institution:	University of Zagreb, Faculty of Kinesiology
2.	E-mail address:	dinko.vuleta@kif.hr
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Vuleta, D., Milanović, D., Bojić-Ćaćić L.(2013): The effects of mini-handball and physical education classes on motor abilities of children of early school age. Croatian Journal of Education, 15; Sp.Ed.No.4,111-146 2. Justin,I., Vuleta,D., Pori,P., Kajtna,T., Pori,M., (2013) Aare taller handball goalkeepers better? certain characteristics and abilities of slovenian male athletes. Kinesiology 45,2:252-261. 3. Kajtna, T., Vuleta, D. , Pori, M., Justin, I., Pori, P. (2012) : Psychological characteristics of slovene handball goalkeepers. Kineziologija, 44, 2:209-217. 4. Sporiš, G., Harasin, D., Matika, D., Vuleta, D., Bok, D.: (2012) Effects of training program for special operations battalion on soldiers fitness characteristics. // Journal of strength and conditioning research. 26, 10; 2872-2882. 5. Sporiš, G., Jukić, I., Bok, D., Vuleta, D., Harasin, D.: (2011). Impact Of Body Weight On Performace In Fitness Test Among Personnel Of The Croation Navy. // Collegium antropologicum. 35, 2; 335-339. 6. Sporiš, G., Vučetić, V.,; Jovanović, Mario; Ručević, Marijan; Milanović, Zoran; Vuleta, Dinko. (2011). Are There Any Differences in Power Performance and Morphological Characteristics of Croatian Adolescent Soccer Players According to the Team Position?. // Collegium Antropologicum. 35, 4; 1089-1094. 7. Sporiš, Goran; Vuleta, Dinko; Milanović, Dragan. (2010). Fitness Profiling in Handball: Physical and Physiological Characteristics of Elite Players. // Collegium antropologicum. 34, 3; 1009-1014. 8. Sertić, H., Sterkowicz, S., Vuleta, D., (2009). Influence of latent motor abilities on performance in judo. // Kinesiology. 41, 1; 76-87.
4.	Number of successful mentorships that resulted in dissertation defence	4

Nr.	Title, last name, First name of the teacher	**Asst. Prof., Zavoreo Iris**
1.	Home institution:	Teaching Hospital "Sisters of Charity", Department of Neurology
2.	E-mail address:	iris_zavoreo@yahoo.com
3.	The List of publications in the last five years which qualify the supervisor as an active researcher or artist in the scientific or artistic field in which the doctoral study is proposed (papers in scientific journals and scientific books, 5 – 10 publications)	1. Demarin V, Bašić-Kes V, Zavoreo I, Bosnar-Puretić M, Rotim K, Lupret V, Perić M, Ivanec Z, Fumić L, Lusić I, Aleksić-Shihabi A, Kovac B, Ivanković M, Skobić H, Maslov B, Bornstein N, Niederkorn K, Sinanović O, Rundek T; Ad hoc Committee of the Croatian Society for Neurovascular Disorders; Croatian Medical Association. Recommendations for neuropathic pain treatment. Acta Clin Croat. 2008; 47(3):181-91. 2. Bašić-Kes V, Zavoreo I, Bosnar-Puretić M, Ivanković M, Bitunjac M, Govori V, Demarin V. Neuropathic pain. Acta Clin Croat. 2009; 48(3):359-65. 3. Demarin V, Bašić Kes V, Morović S, Zavoreo I. Evaluation of aging vs dementia by means of neurosonology. J Neurol Sci. 2009;15;283 (1-2):9-12. 4. *Zavoreo I, DemarinV.* Breath Holding Index and Arterial stiffness as markers of vascular aging. Current Aging Science 2010;3(1): 67-70. 5. Zavoreo I, Bašić-Kes V, Morović S, Serić V, Demarin V. Breath holding index in detection of early cognitive decline. J Neurol Sci. 2010;15;299(1-2):116-9. 6. Bašić-Kes V, Zavoreo I, Šerić V, Vargek-Solter V, Cesarik M, Hajnšek S, Bošnjak-Pašić M, Gabelić T, Bašić S, Soldo-Butković S, Lušić I, Dežmalj-Grbelja L, Vladić A, Bielen I, Antončić I, Demarin V; Croatian Society for Neurovascular Disorders of Croatian Medical Association; Croatian Society of Neurology of Croatian Medical Association; Referral Center for Demyelinating Diseases of the CNS. Recommendations for diagnosis and management of multiple sclerosis. Acta Clin Croat. 2012;51(1):117-35 7. Demarin V, Zavoreo I, Bašić-Kes V. Carotid artery disease and cognitive impairment. J Neurol Sci. 2012; 15;322(1-2):107-11. 8. Bašić Kes V, Zavoreo I, Vargek-Solter V, Aleksić Shihabi A, Benčina B, Božić J, Budinčević H, Malojčić B, Mišir M, Pavliček I, Svalina S, Vodopić M, Vuletić V, Bašić S, Demarin V. Quantitative and qualitative evaluation tool in planning stroke

		treatment strategies: the "Safe implementation of treatments in stroke Monitoring Study (SITS MOST)" registry. Acta Neurol Belg. 2013 Sep 20. [Epub ahead of print] 9. Zavoreo I, Bašić Kes V, Lisak M, Maršić N, Ciliga D, Trošt Bobić T. Cognitive decline and cerebral vasoreactivity in asymptomatic patients with severe internal carotid artery stenosis. Acta Neurol Belg. 2013;113(4):453-458.
4.	Number of successful mentorships that resulted in dissertation defence	

A.6.3. LIST OF SCIENTIFIC, ARTISTIC AND DEVELOPMENTAL PROJECTS ON WHICH THE PROGRAMME OF THE DOCTORAL STUDY IS BASED

Rb.	Naziv projekta	Šifra projekta	Razdoblje trajanja projekta (mjeseci):	Projekt financira	UKUPNO
1.	Health aspects of physical activity		18,5	MSES	30.000,00
2.	Biomechanical efficiency of elite Croatian athletes	034-0000000-2340	79	MSES	141.660,00
3.	Diagnostic procedures for the assessmen of fitness status in handball	034-0000000-2614	79	MSES	224.660,00
4.	The role of physical activity level in chronic cardiovascular disease prevention	034-0342282-2325	79	MSES	340.000,00
5.	The level of physical fitness and illness/injury incidence in swimmers	034-0342282-2401	79	MSES	167.340,00
6.	Knowledge about nutrition and dietary habits of athletes	034-0342282-2402	45	MSES	72.000,00
7.	Dispositional and situational aspects of exercise motivation and quality of life	034-0342282-2605	79	MSES	263.340,00
8.	Physiological determinants of endurance performance	034-0342607-2279	79	MSES	170.000,00
9.	Evaluatio of the methods for athletes' quality assessment	034-0342607-2616	45	MSES	120.000,00
10.	Muscle mechanical function in maximal ballistic movement performance	034-0342607-2623	79	MSES	170.000,00
11.	Programming of transformational procedures for physical conditioning	034-0342610-2609	79	MSES	170.000,00
12.	Development of algorithms for multivariate hypothesis testing	034-0342618-2222	57	MSES	185.500,00

13.	Automated motion capture and expert evaluation in the study of locomotion	034-0362979-2334	79	MSES	396.658,00
14.	The conception of development of sports and nautical tourism in Croatia	034-0672288-2606	79	MSES	251.341,00
15.	Relations between situation efficiency and kinematic parameters in volleyball	034-0000000-3615	68	MSES	99.995,00
16.	Health habits of sport coaches	034-0000000-3331	68	MSES	75.000,00
17.	Epidemiology of physical activity in Republic of Croatia	034-0000000-3359	33	MSES	36.660,00
18.	The effects of different forms of exercise on diabetes mellitus	034-0000000-3337	68	MSES	150.000,00
19.	Pedobarographic profiles of human locomotion in sports and medicine		-	UNIZG	70.000,00
20.	Correlates of physical activity levels in high school students		-	UNIZG	70.000,00
21.	External loading and human neuromuscular function: motor control and adaptation mechanisms		-	UNIZG	75.000,00
22.	ACTN 3/R577X, ADRB 3 and ACEpolymorphisms in elite team sports athletes		-	UNIZG	70.000,00
23.	The quality of life, risk taking behaviour and self-esteem in sedentary adolescents and adolescents involved in organised sports		-	UNIZG	30.000,00
24.	Anthropological determinants of athlete's competitive performance in game sports		-	MSES	

Note: MSES = Ministry of Science, Education and Sport, UNIZG = University of Zagreb

None of the international projects in which the constituent participates in has not been listed

As part of the international project "Biological and Biomechanical Characteristic of Spring Running", which is conducted as a collaboration between the University of Ferarra, the Institute for Anthropological Research in Zagreb and the Faculty of Kinesiology in Zagreb, anthropological measurements will be carried out, as well as psychological evaluations, biomechanical analysis and blood tests for the purpose of isolating DNA and analyzing the ACE gene.

The Faculty of Kinesiology has actively participated in preparing registrations for international projects which are part of the HORIZON 2020 and the ERASMUS programmes. The Faculty of Kinesiology plays the role of a partner in the following international projects:

- the HORIZON 2020 NeO-PANGeA project – "New Opportunities in Physical Activity and Nutrition for Good Quality Ageing: defining and preventing inactivity-related functional and cognitive decline" – project coordinator: University of Primorska, Koper, Slovenia;
- the ERASMUS + European Universities Sports Festival in Cyprus – "Student's Sport Festival" – project coordinator: University of Cyprus;
- the ERASMUS + EPHEPA project – "European Collaborative Partnership on Sport and Health Enhancing Physical Activity" – project coordinator: University of Oxford, United Kingdom
- the ERASMUS + project – "Study on sport qualifications acquired through sport organisations and (sport) educational institutes" – project coordinator: German Sport University Cologne, Koln, Germany

LIST OF EXPENSES FOR THE REALIZATION OF THE DOCTORAL STUDY

Planned student workload:	Obligatory	116 (all students)
	Module I-VIII	480
	Elective 10 x 10	100
	Foreign lecturers (topics)	60

Mentorship (outside the Faculty of Kinesiology)	4.000,00
Gross earnings per hour (depending on the rank and nonworking days)	300-550
Gross earnings for external members of the Committee	2.400,00

Total:

Gross expenses for classes	313.650,00
Foreign lecturers	33.000,00
Mentorship (outside the Faculty of Kinesiology)	40.000,00
Fees for heads of studies and modules	135.000,00
Daily allowances (40*150)	6.000,00
Other members of the Committee (2.400,00*25)	60.000,00
Accommodation expenses (20*500)	10.000,00
Travelling expenses	70.000,00
Procurement of technical literature (3*50.000,00) (library database, statistic programmes, journals)	150.000,00
Procurement and maintenance of new laboratory equipment and expendable laboratory supplies (3 years*110.000,00)	330.000,00
Administrative work (3*20.000,00)	60.000,00
Overhead expenses (3*50.000,00)	150.000,00

- Note – the University of Zagreb covers 16% of the total overhead expenses at the Faculty of Kinesiology which annually total over 2.000.000,00 kn; the doctoral study participates with 50.000,00 kn per year.

V Overall study expenses (I+II+III+IV)	1.357.000,00
Number of doctoral students	minimally 25
Cost of doctoral study	**54.280,00 kn**

Note: the required number of students with a fully covered tuition fee is 25. Employees of the Faculty of Kinesiology are not required to pay the tuition fee, whereas other employees from the University of Zagreb shall be charged with 50% of the designated tuition fee.