



I. DESCRIPTION OF STUDY PROGRAMME FORM

BASIC INFORMATION	
<i>Title of study programme</i>	Postgraduate Doctoral Studies in Psychology
<i>Study programme coordinator</i>	Faculty of Humanities and Social Sciences in Rijeka, University of Rijeka
<i>Study programme implementor</i>	Department of Psychology
<i>Type of study programme</i>	Scientific
<i>Level of study programme</i>	Postgraduate doctoral
<i>Academic/professional degree awarded upon completion of study</i>	Doctor of Science from the Area of Social Sciences, Field of Psychology

1. INTRODUCTION

1.1 Reasons for launching the study programme

One of the founding principles of the Bologna Process is to implement three educational cycles: undergraduate, graduate and postgraduate. The postgraduate doctoral program is the highest level of formal education, and is critical for entering and connecting with the European research space and Europe higher education areas. Considering the importance of research work as an integral part of higher education throughout Europe, the Department of Psychology at the Faculty of Humanities and Social Sciences in Rijeka considers it necessary to launch the third postgraduate cycle of education. This cycle is primarily focused on scientific research and the transfer of research knowledge and skills, as well as the promotion of interdisciplinarity. The launching of this cycle will improve the quality of the entire study programme, and will also [within the framework of the doctoral programme] stimulate international cooperation, as well as the education of young researchers. The University of Rijeka is a research university, and in its Strategy it has stressed the need for increasing research activities. This, in the most part, can be directly achieved by launching new postgraduate doctoral programmes.

In Croatia, there is currently only one postgraduate doctoral study programme, which is offered by the Department of Psychology at the Faculty of Philosophy at the University of Zagreb. However, there is a great need for Doctors of Science in the field of psychology. Each year, there is a growing interest for such a programme from those students who have completed their undergraduate and graduate studies in psychology at the Department of Psychology. This is visible in the number of graduate students from our department who enrol on postgraduate doctoral study programmes in psychology at the University of Zagreb. It is also evident by the number of students who have enrolled on international postgraduate courses, most often at the departments' of psychology at the University of Ljubljana and the University of Trieste. Subsequently, the launching of a postgraduate doctoral study programme in psychology at the Faculty of Humanities and Social Sciences in Rijeka would enable a greater number of students to study at the postgraduate level in Croatia, would increase the quality of education in psychology in Croatia, and enable students to be competitive in Europe. The opening of another doctoral study programme in psychology in the Republic of Croatia will also ensure the competitiveness and diversity of the programmes, increase the mobility of students and teaching staff within Croatia, increase greater cooperation between different doctoral programmes, and increase the critical mass of experts who can participate in their implementation.

The opening of a doctoral study programme in psychology would also be very effective in stimulating research work in the department, and thus will contribute to the improvement of the overall quality of the educational process. We believe that one of the best ways of improving the quality of teaching is for it to have a very close relation with scientific research. This is in accord with the statement that the University of Rijeka is primarily a research university.

The fundamental mission of this doctoral study programme in psychology is to contribute to the intellectual, social, cultural and economic development of the community. This, in turn, will enhance the level of education for psychologists and similar experts, it will enable the carrying out of important scientific, developmental, and applied research, it will facilitate lifelong learning and investment in professional development, it will increase the mobility of psychologists and ideas within Croatia and Europe, as well as serve to advance the psychological opinions of the community in general.

The central aim of this postgraduate doctoral study programme is to advance knowledge through the creation and implementation of original research. Candidates will develop key research skills, such as problem solving, innovativeness,



creative and critical thought, the ability to analyse and synthesise data and further development strategies. They will also develop generic skills such as communication skills, presentation skills, team work skills and a broad spectrum of social skills.

This doctoral study programme will satisfy the needs of the labour market by creating researchers who will not only work in universities and institutions but also in business, the public sector and industry. The principle motivation behind launching this doctoral study programme with its research activities is to primarily contribute to the development of the region, and the development of the Republic of Croatia as a whole.

The uniqueness and recognisability of the Department of Psychology at the Faculty of Humanities and Social Sciences in Rijeka will be supported through the application of the following principles:

- *Choice and a total orientation towards research* - Through the construction of *individual profiles for doctorands*, where they will have the possibility to choose their own supervisor, and enrol on the offered optional courses appropriate to the area of their scientific research. Students on the doctoral study programme will be able to choose courses within the offered doctoral programme, and it is anticipated that they will be able to attend courses offered by other doctoral programmes at the Faculty of Humanities and Social Sciences. They will also be able to attend courses offered by other faculties at the University of Rijeka with whom the Department of Psychology has links (e.g. Faculty of Medicine, Faculty of Economics and the Faculty for Management in Tourism and Hospitality), as well as other universities within Croatia and internationally. In addition, students attending doctoral programmes at the Faculty of Humanities and Social Sciences and other faculties at the University of Rijeka will be able to attend some of the courses offered within the doctoral study programme in psychology, in particular those that focus on research methodologies in the social sciences (e.g. multivariate statistical methods) and courses from interdisciplinary areas. As far as it is possible, the choice of courses will enable doctorands to make short and long term visits to other universities, both in Croatia and internationally.
- *Mobility of students and staff* - Through already existing international long term collaborations, exchanges will be stimulated between staff and students involved in the doctoral study programme.
- *Interdisciplinarity* - Launching interdisciplinary research projects will be encouraged as a result of the assistance that doctorands will receive from well-established Croatian and foreign experts during the writing up phase of their doctoral dissertation. Other research areas that could be potentially included in the doctoral study programme in psychology will include biomedical sciences (e.g. physiology, dermatology, paediatrics, oncology and internal medicine), information sciences, physics, education and rehabilitation sciences, law, political sciences, sociology and economics. Staff at the Department of Psychology already participate in a number of interdisciplinary research projects, and these projects will form the basis for the further development of interdisciplinarity in the doctoral study programme in psychology (e.g. research in collaboration with the Faculty of Medicine at the University of Rijeka, Clinical Hospital Centre Rijeka, Institute for Public Health at the County of Primorje-Goranska, Institute for Social Research at the University of Zagreb, as well as the Ruđer Bošković Institute).
- *Collaboration* - In co-operation with well-known Croatian and international experts, collaboration with the business and public sectors will be stimulated, as well as industry. In this way, the areas of organisational psychology and the psychology of work have a particular importance, since their findings are widely applicable to the business sector and industry, and in particular in the areas of human resource management, and marketing. They are also applicable in the area of market communications analysis, as well as ergonomic research connected to the organisation of work places and adapting the work of employees. Furthermore, the areas of clinical, educational, social, health and cognitive psychology are also potentially very important for the business sector and industry, and especially for the public sector in the health, educational and social sectors. In terms of the aforementioned areas, it is possible to carry out projects that are interesting for business, the public sector, and industry, and therefore it is possible to expect that they will help to co-finance these projects.
- *Partnership with the local community* - It will stimulate collaboration with the local community through joint research projects that set out to create new knowledge necessary for problem solving and community development.

1.2. Evaluation of purposefulness in respect to the market needs in public and private sector

In comparison with other European countries, the percentage of individuals who have received a higher education in the Republic of Croatia is significantly lower. This is particularly the case concerning those individuals who hold the title of Doctor of Science. According to the statistics from the Register of Researchers held by the Ministry of Science, Education and Sports there are only 159 Doctors of Science from the social sciences in the field of psychology. It should be stressed that the majority are employed, or were employed until their retirement, in scientific and higher education institutions. According to available data, the current situation in such institutions is the following: Faculty of Humanities and Social Sciences in Zagreb 27 employees, Faculty of Humanities and Social Sciences in Rijeka 21, Faculty of Humanities and Social Sciences in Zadar 14, Faculty of Humanities and Social Sciences in Osijek 4, Faculty of Teacher Education in Zagreb 4, Faculty of Kinesiology in Zagreb 2, the Faculty of Teacher Education in Rijeka 2, Croatian Studies 1, Ivo Pilar Institute 15 and the Institute for Social



Research has employed 4 psychologists with a Doctor of Science. As a result, there are only a relatively small number of psychologists who hold a Doctor of Science who are not permanently employed in further education or research institutions. Thus, it is visible that psychologists who hold a doctorate are not employed in those institutions where it is essential that there are employees who are able to carry out scientific work, such as in hospitals, local government institutions, and organisations vital to the Croatian economy, for instance in large businesses. This doctoral study programme, which offers the title of Doctor of Science, will prepare individuals for research work that is also necessary in practice. Research that is related to practice not only stimulates the development of scientific research itself, but also the implementation of scientific research methodologies can directly influence the development of the economy as well as the creation of a variety of social benefits, from health to tourism, culture and sport, all the way to transportation and sustainable development. The research work of staff at the Department of Psychology includes those areas that are not covered by the scientific research of other Doctors of Science in the Republic of Croatia, but are included in scientific training. For this reason, the creation of new Doctors of Science is currently restricted to those areas that top level scientists are already working on in existing doctoral study programmes (at the Faculty in Zagreb). The fields, or projects, which are unique to the Department of Psychology in Rijeka belong to the immediately related areas of health, organisational, clinical, educational and cognitive psychology.

1.2.1. Connection with the local community (economy, entrepreneurship, civil society)

Already for a number of years, the Department of Psychology has successfully collaborated with the City of Rijeka on a number of different projects, where we highlight the following: the creation of, and participation in, selection procedures for offering scholarships to gifted pupils and students, the organisation of lectures and workshops as a part of the University for the Third Age (in collaboration with the city, county, university and department), overseeing the KES programme (for young entrepreneurs), and the European project EGOV4U (evaluation of a three year EU project in which the City of Rijeka and six other European cities participate, which is a project that has confirmed the effectiveness of information on the social inclusion of people with invalidity, older people, unemployed people, veterans and war victims); research about the needs of older people in the City of Rijeka; the creation of, and participation in, research about the health behaviour of primary school children, as well as the health practices of the citizens of the City of Rijeka.

Other significant projects created in collaboration with the community are:

- cooperation with the Association for Promoting Complex Systems and Robotics through the organisation of workshops for pupils in secondary schools about group interaction with robots;
- collaboration with the swimming club Primorje;
- organisation of a series of lectures for teachers and parents of children in primary schools;
- organisation of lectures for citizens associations and the Primorje-Goranska County Chamber of Commerce;
- participation at the Festival of Science in the City of Rijeka;
- the organisation and implementation of research about the needs and problems of young people in the County of Primorje-Goranska, where the results were used to create a regional information portal aimed at young people;
- the creation of the Croatian educational computer game *Urban Jungle* for children and young people (the aim of the game is to educate young people about behaviour in traffic);
- the creation and implementation of longitudinal research that follows changes to the structure, as well as standpoints and opinions of the local community about the Učka Nature Park;
- the organisation and implementation of research for political parties, firms and public institutions;
- the organisation of lectures on psychological aspects of adaptation in chronic illness (Society for Multiple Sclerosis)
- cooperation with the Academic Health Centre in Rijeka, with the aim of offering individual and group counselling services, the production of expertise, counselling via email and telephone consultations, carrying out a weight loss program and promotional health activities through specific services;
- collaboration with the Chamber of Civil Engineers with the aim of defining the required competences of graduate experts;
- evaluation of prevention programs;
- the organisation of a series of activities as part of the event 'Psychology in Rijeka' intended to popularise psychology both as a science and as a discipline.

By launching the doctoral study programme, existing collaborations will be further advanced by carrying out research that creates new knowledge. This knowledge can be directly applied in problem solving and to community development.

1.2.2. Compliance with professional association's requirements (recommendations)

The doctoral study programme offered by the Department of Psychology at the Faculty of Humanities and Social Sciences, University of Rijeka will adhere to the requirements made by expert associations, and also enable psychologists to fulfil the requirements as laid out by these expert associations in Croatia. This doctoral study programme will enable psychologists to fulfil their rights and obligations through long term training and education. Psychologists in the Republic of Croatia are members of the *Croatian Psychological Association* as autonomous individuals.



The basic aims of this Association are to develop and popularise all branches of theoretical and applied psychology, maintain its social position, as well promote psychology as a discipline. Some of the activities that help attain these aims are related to the need to further train psychologists after they have completed their graduate studies, such as through a doctoral education. The Statute of the Croatian Psychological Association states that the Association attends to the training and long term development of psychologists, stimulates the development of psychological sciences and their application in practice, as well as the creation and publication of scientific and expert articles in psychology. The Association subsequently stimulates and supports all those activities that contribute to the development of psychology, the better status of psychologists and the discipline of psychology as a whole. Scientific development is the best way to promote psychology as a discipline, as well as to promote psychologists as competent and highly educated experts.

The other form of organised psychology in terms of membership of an expert independent organisation concerns that of the *Croatian Chamber of Psychology* (HPK). In its Statute, the Chamber points out that the training of psychologists is a long term process that does not finish at the end of graduate studies but continues through long term training. Psychologists have the right and obligation to enhance their knowledge and skills by fulfilling the conditions that are required of them to carry out psychological activities. According to the recommendations made by the Chamber, the basic features of training are its availability, its scientific and practical foundations, as well as free choice. The Chamber particularly supports postgraduate training through specialisation and the creation of Doctors of Science, who earn a large number of points according to the Chamber's Ordinance about Expert Training. On the basis of the points system that psychologists earn, their licenses that enable them to carry out psychological activities are extended. The launching of the doctoral study programme will be totally in accord with the requirements of expert associations, and also offers a scientific foundation, diversity and free choice for each individual.

1.2.3. Name possible partners outside higher education system that showed interest in the study programme

The following partners outside of the higher education system have shown an interest in the doctoral study programme in Psychology offered by the University of Rijeka.

- Clinical Hospital Center, Rijeka: Centre for Clinical, Health and Organizational Psychology,
- VIP-net d.o.o., Zagreb,
- Pliva Hrvatska d.o.o., Zagreb,
- Nexe grupa d.d., Našice,
- Adris grupa d.d., Rovinj,
- City of Rijeka,
- County of Primorje-Goranska.

These public institutions and firms will send their employees for further doctoral training in order to acquire the required competences for scientific research. As we have already pointed out in Section 1.2, only a small number of psychologists who hold a Doctor of Science work outside of higher educational and research institutions. However, contemporary doctoral study programmes place a direct importance on the need to develop generic and transferable skills in young researchers, who after acquiring a doctorate in science can be employed outside of higher educational and scientific institutions. Examples of such skills are: presenting research results, writing project proposals, project management, cooperation with the local economy, commercialisation of research results, creating networks of professional contacts that are critical in the career development of recently graduated Doctors of Science, and stimulating their employment in the areas of business, finance, the public sector, non-governmental organisations and similar. This doctoral study programme aims to develop the aforementioned generic skills, and therefore expects the support and cooperation of local businesses, as well as the local and wider social community.

1.3 Comparability of the study programme with similar programmes of accredited higher education institutions in the Republic of Croatia and the EU (name and explain comparability of the proposed programme with two programmes, whereas at least one of which should be from the EU (provide their web sites))

The program offered by this doctoral study programme is comparable with:

- the postgraduate doctoral study programme offered by the Department of Psychology at the Faculty of Philosophy in Zagreb (<http://psihologija.ffzg.hr/poslijediplomski>),
- the postgraduate doctoral study programme "Neuroscience" offered by the Faculty of Medicine at the University of Zagreb (<http://www.hiim.hr/nova/index.php?kod=pds-novi>) and,
- the interdisciplinary university postgraduate study "Language and Cognitive Neuroscience", University of Zagreb (<http://www.jekon.unizg.hr/>).

All the above courses stress the importance of taking an interdisciplinary approach in scientific research. They are primarily focused on research and the development of advanced scientific and ethical criteria in research, and less focused on formal teaching. The shared points between this doctoral study programme and already existing programmes in the Republic of



Croatia creates the possibility for the horizontal movement of students. This is mainly related to attendance at optional courses that are offered by the aforementioned doctoral study programmes, as well as at the same time including their teaching staff as co-mentors, Committee members that follow the work of doctorands, expert advisors in scientific research methodologies and other areas. Staff at the Department of Psychology already participate in the postgraduate doctoral study programme in psychology at Zagreb and in the interdisciplinary university level postgraduate study “Language and Cognitive Neuroscience” at the University of Zagreb. We expect that these already existing collaborations will continue and will improve with the launch of our doctoral study programme.

The proposed doctoral study programme also has shared elements with a large number of doctoral study programmes that are offered by European universities, amongst which we highlight the doctoral study programme at the University of Uppsala in Sweden (http://www.psyk.uu.se/eng/education/Phd_Education.html).

When comparing the main elements of the doctoral study programme offered by the University of Uppsala with our proposed doctoral study programme it is possible to see that there are a number of similarities. In tabular form, we offer a comparison between the doctoral study programme in psychology at the University of Uppsala and our proposed doctoral study programme:

	Doctoral Studies in Psychology University of Uppsala, Sweden	Doctoral Studies in Psychology University of Rijeka, Croatia
<i>Aims</i>	Research preparation and training, teaching skills development, development of written and oral scientific communication skills	Research preparation and training, teaching skills development, development of written and oral scientific communication skills, other specific and generic skills.
<i>Conditions for enrolment</i>	Completed undergraduate (180 ECTS) and/or graduate studies of psychology (300 ECTS); it is possible to accept candidates who do not possess these conditions but upon special consideration.	Completed undergraduate and graduate studies in psychology (300 ECTS) or other studies (after passing a differential exam).
<i>Selection procedure</i>	Graduate dissertation grade, C.V, doctoral research plan (for selection purposes only, it does not have to be carried out), interview.	Average grade in previous studies, graduate dissertation grade, letter(s) of recommendation, proposed research outline, interview.
<i>Length of Studies</i>	4 years	3 to 4 years
<i>Number of Students</i>	Not limited (not mentioned)	15
<i>Specialisations</i>	No specialisations	No specialisations
<i>Overall teaching level and ratio to doctoral dissertation</i>	240 ECTS (work on dissertation 150 ECTS)	180 ECTS (work on doctoral research at least 110 ECTS)
<i>Ratio with regards to taught courses</i>	Obligatory part: 60 ECTS (50% methodology, 50% theory – obligatory courses) Optional courses: 30 ECTS – related to the doctoral research topic	Obligatory part: 30 ECTS + 10 ECTS discussion groups (60% methodology, 40% research area: theories/models) Optional courses: 10 ECTS – related to the doctoral research topic
<i>Participation in teaching activities</i>	Yes	Yes
<i>Basic form of teaching</i>	Individual study plan	Individual study plan
<i>Supervision</i>	Two supervisors, where one is employed at the university and the other is an assistant. Both must have doctorates, but it is possible that only one is qualified as an associate professor or higher.	Supervisor and commentator according to need (depends on the doctoral research topic), either in the research-scientific and teaching profession, or research-scientific profession.
<i>Form of doctoral dissertation</i>	Monograph or a short review of scientific articles carried out independently, or as a compilation dissertation.	Monograph or the Scandinavian model (compilation of at least four scientific works where one is independent, and the others are/can be in co-authorship with a team if the doctorand is the principle author)
<i>Grading committee</i>	Three members, one from the department, one from the faculty and one from another institution.	As a rule three members, with at least one from another university.



According to the table, it is visible our two programmes are in alignment according to the main elements of the studies.

It is important to mention that in the creation of our doctoral study programme, we have principally followed the suggestions of the EFPA (*European Federation of Psychologists' Association*) about the recommended minimal standards for the acquisition of a doctorate in science in the field of psychology, where the doctoral study programme includes:

1. an education about advanced research methods and statistical approaches, as well as a critical choice of methodology that is appropriate for the specific research question. This results in the acquisition of competences in research methodologies and statistical procedures;
2. an education about research ethics;
3. creating an understanding, and gaining experience, of the processes involved in preparing presentations for scientific conferences (oral and poster presentations), creating an understanding of the preparation and procedures needed to publish scientific articles, as well as experience in applying for financial support for research;
4. acquiring the skills needed to carry out literature reviews, and acquiring research skills in basic research areas;
5. participating in teaching at undergraduate and graduate levels.

In addition, we have taken into consideration general European principles that stress that scientific research should be the most important element of a doctoral study programme and should be given the most time. Scientific research needs to be high level, innovative and result in at least one article in a very high quality journal. Discussions about original scientific articles is the most important part of teaching, and when combined with the core courses offered during the first year of studies as well as other activities, the doctorands are trained in taking a critical approach to their own research problem. A detailed account of the doctoral study programme is offered in Section 3.3.

1.4. Openness of the study programme towards horizontal and vertical mobility of students within national and international higher education area

As outlined in the previous section, this doctoral study programme is open to the horizontal movement of students and staff. The horizontal movement of students is related to the postgraduate doctoral study programme in psychology at the Faculty of Humanities and Social Sciences at the University of Zagreb. We are also open to the horizontal and vertical movement of students in the international higher education research space, primarily with those universities with whom we have already collaborated for a long time (Umea University, Sweden; Tilburg University, Netherlands; University of Medicine and Pharmacy "Iuliu Hațieganu", Cluj Napoca, Romania) as well as Universities in other regions (University of Ljubljana, Primorje University in Koper, University of Novi Sad, University of Belgrade, University of Sarajevo and University of Mostar).

1.5. Alignment with the Mission and the Strategy of the University of Rijeka

The postgraduate doctoral study programme in psychology is totally in accord with the mission and strategic aims of the University of Rijeka for the period of 2007 - 2013. In the chapter "Scientific work and Innovation" in the University of Rijeka's Strategy, it highlights the importance of activating programmes in the 3rd cycle of education (doctoral studies) that are based on all the principles as laid out by European charters and codes. It also stresses the importance of the standardised research development in all scientific areas as a pre-condition for fulfilling the University mission and its recognition as a strong regional research centre. This is especially related to the development of research in the natural sciences, as well as the social sciences and humanities. One of the aims of launching this doctoral programme is that its research activities will directly contribute to the development of the region, as well as the Republic of Croatia as a whole.

The chapter "Strategic Aims and Tasks" (Studies and Students - E-learning) highlights the importance of making high quality changes in teaching and research through the introduction of e-learning and through ensuring the appropriate ICT infrastructure (computers and program support), as well as training staff, students, and administrative staff to use e-learning methods and technologies. It is expected that every course in the doctoral study programme will have an e-course version on the *MudRI* learning management system at the University of Rijeka, whereby the teaching and activities of staff and doctorands can be partly organised on-line.

1.6. Institutional strategy for study programmes development

The postgraduate doctoral study programme in psychology is totally in accordance with the institutional strategy of postgraduate programme development. The Strategy of the Faculty of Humanities and Social Sciences in Rijeka highlights the importance of creating new studies in alignment with the needs of the labour market and the development of scientific areas and disciplines, as well as cooperation with foreign universities, and the systematic inclusion of students on postgraduate study programmes in scientific research projects. The activation of the postgraduate doctoral study programme in psychology is one of the key aims of the strategy of the Department of Psychology at the Faculty of Humanities and Social Sciences in Rijeka. It will, amongst other things, result in a larger number of scientific publications in co-authorship with students, a larger number of publications in high quality journals and facilitate inclusion in international scientific projects.



1.7. Other important data – according to the coordinator's opinion

For already thirty years, the Department of Psychology at the Faculty of Humanities and Social Sciences in Rijeka has been successfully educating future psychologists by offering a high quality study programme that is at the same standard as well-regarded psychology courses in Europe. In accordance with the advice offered by the Bologna declaration about the necessity to harmonise the curriculum, changes in psychology courses are carried out according to the norms that are offered by the EFPPA (*European Federation of Professional Psychologists' Association*), as well as in accordance with the Act on Scientific Activity and Higher Education in the Republic of Croatia. As a result, ever since 2005/2006 the department has offered studies in two cycles: at the undergraduate and graduate level, and a logical need has arisen to launch the postgraduate doctoral study programme, as the third and highest level of education in psychology.

The implementation of the doctoral study programme will contribute to the further development of the Department of Psychology at the Faculty of Humanities and Social Sciences in Rijeka, whereby it will in even greater measures:

- be an open, dynamic institution with whom it will be interesting and useful to collaborate, and an institution with a well-developed network of regional, national and international partner relations,
- advance the dynamic flow of people and ideas, and exchange of staff and students,
- be connected to the local community and carry out developmental projects important for regional development,
- carry out scientific and expert postgraduate studies from different areas in the field of psychology, as well as interdisciplinary postgraduate studies aligned to social needs,
- stimulate the collaboration of doctorands and other students from the sectors of finance, health and education systems, social services, cultural institutions, sport and non-governmental organisations with the aim of them finding employment;
- advance the effective transfer of knowledge by implementing high standards of learning and observation, as well as stimulating independence and innovativeness in the acquisition of knowledge and the development of learning skills,
- stimulate the active social engagement of staff and students,
- promote the system of continual marking, and evaluate and stimulate the quality of all staff and their activities.

Staff at the Department of Psychology participate as project leaders and collaborators in the following projects, which are financed by the Ministry of Science, Education and Sport:

1. Cognitive, metacognitive and motivational factors in reading and learning,
2. Neuron modelling and behavioural testing in visual perception and cognition,
3. Aspects of personality, emotional and social processes as determinants of health,
4. Determinants of the optimal development and psychology well-being of adolescents,
5. Psychosocial aspects of obesity,
6. Psychosomatic aspects of chronic gastrointestinal inflammatory and functional diseases,
7. Risk and protective factors in the psychological health and academic adaptation of students,
8. Development of Semantic Web information infrastructures and deductive mechanisms,
9. Diagnostics of the specific attributes of sport players in sports games,
10. The effect of enteral nutrition in severe acute pancreatitis.

Staff at the department participate in the following local and international projects:

1. Cross-cultural research of emotional intelligence,
2. Modelling cognitive and neuron systems,
3. Educa Human Resources Feedback Tool for Employees, Organisational Scanning and Further Organisational Improvement,
4. International Sexuality Description Project (ISDP),
5. Psychosomatic medicine: A multidisciplinary approach,
6. Psychosocial aspects of crying,
7. Education for Equal Opportunities at Croatian Universities – Eduquality.

As a result of their participation in a large number of research projects, staff members at the department are qualified as top-level experts and active researchers in a range of different psychological and interdisciplinary research areas.



It should be mentioned that the Department of Psychology has been engaged in long term teaching and scientific collaborations with a series of European universities such as Umea University, Sweden; Tilburg University, Holland; University of Medicine and Pharmacy "Iuliu Hațieganu", Cluj Napoca, Romania; University of Ljubljana, Slovenia; University of Sarajevo and the University of Mostar, Bosnia and Herzegovina as well as the University of Novi Sad, Serbia. This collaboration will continue in the doctoral study programme.

The Department of Psychology has already for 20 years published the scientific journal "*Psihologijske teme*" [Psychological Topics]. The journal is published three times a year, and publishes original scientific articles and review articles from a number of different areas in the field of psychology. The authors of the published articles are scientists from Croatia and internationally, and the articles are published in the Croatian or English language. The journal has an international editorial board, and annually publishes a thematic issue that gathers world renowned scientists from selected areas. As a result, the thematic issue, which is published in the English language, increases the citation of the journal and number of readers.

Employees in the department participate in the organisation of a number of international (European Conference for Psychosomatic Research, European Conference for Positive Psychology, European Conference for Cognitive-Behavioural Therapy, International Congress of Emotional Intelligence) and local (Annual Conference of Croatian Psychology, Rijeka Days of Experimental Psychology) scientific conferences.

In September 2011, a modern laboratory for experimental psychology was opened at the Department of Psychology. This will significantly improve the ability to conduct psychological research and enable future doctorands interested in the field of experimental psychology to carry out their doctoral research.

In 1998, the Department of Psychology opened the Student Counselling Centre, which in 2010 expanded into the University Counselling Centre. The work of the Psychological Counselling Center [SCC] involves a number of employees from the Department of Psychology and engages in counselling work with students, the education of students and staff, and applied research with students.

Some of the members of the department work in the newly founded Centre for the Education of Staff at the Faculty of Humanities and Social Sciences in Rijeka. In addition to the activities of planning, organising and carrying out teaching for the purpose of acquiring teaching qualifications, the aim of the Centre is to stimulate national and international projects in the area of educating teaching staff and lifelong learning. This will enable the carrying out of doctoral research and writing of dissertations in the area of psychological education.

2. GENERAL PART

2.1. Title of study programme

Postgraduate doctoral study in Psychology

2.1.1. Type of study programme

University

2.1.2. Level of study programme

Postgraduate

2.1.3. Area of study programme (scientific/artistic) – indicate the title

Social Sciences, Psychology (Area 5; Field 5.06. according to the Ordinance on Scientific and Artistic Areas, Fields and Branches, O.G.: http://narodne-novine.nn.hr/clanci/sluzbeni/2009_09_118_2929.html).

2.2. Study programme coordinator

Faculty of Humanities and Social Sciences, University of Rijeka

2.3. Implementor/s of the study programme

The implementor of the study programme is the Department of Psychology at the Faculty of Humanities and Social Sciences in Rijeka.

Staff from the Department of Psychology at the Faculty of Philosophy, University of Zagreb, the Department of Psychology, University of Zadar, Department of Psychology at the Faculty of Philosophy University of Ljubljana, as well as the Department of Psychology Faculty of Philosophy University of Novi Sad, will also participate in the teaching and in other



important activities that make up the doctoral study programme (for example, co-mentorship, members of the Evaluation Committee for doctorands, members of the Dissertation Defence Committee and other).

The doctoral study research programme will be carried out in collaboration with Croatian and international institutions, with whom the Department of Psychology already collaborates on joint research projects.

They are: Faculty of Medicine and Faculty of Economics, University of Rijeka; Clinical Hospital Center Rijeka; Faculty of Philosophy, University of Osijek; Croatian Institute for Brain Research, Department for Neuroscience, faculty of Medicine, University of Zagreb; Institute for Social Research, Zagreb; Department of Psychology, Umea University, Sweden; Department of Developmental and Clinical Psychology, Tilburg School of Social and Behavioral Sciences, Tilburg University, Netherland; 2nd Medical Department, University of Medicine and Pharmacy Iuliu Hatieganu, Cluj-Napoca, Romania; Department of Psychology, Nagoya University, Japan; Department of Psychology, The Ohio State University, USA; Department of Psychology, Washington, University St. Louis, USA; Department of Education and Psychology, Division of Methods and Evaluation, Freie Universität Berlin, Germany; Università degli Studi di Milano, Department of Clinical Sciences Luigi Sacco, Milan, Italy; Institute for Psychology, Hungarian Academy of Sciences, Budapest, Hungary; Department of Psychology, Iowa State University, USA; Alma Mater Studiorum – University of Bologna, Faculty of Medicine, Italy; Education Testing Center, Princeton, USA; Goldsmiths, University of London, London, UK.

2.4. Duration of study programme (indicate possibilities of part-time study, long distance study)

According to the Ordinance about Doctoral Studies at the University of Rijeka, full time studies last for three years, and can be extended to a maximum of five years. Part time studies last for five years, and can be extended to a maximum of seven years.

2.4.1. ECTS credits – minimal number of credits required for completion of study programme

180 ECTS credits

2.5. Enrolment requirements and selection procedure

Enrolment on the study programme is carried out on the basis of a public tender that is advertised by the Faculty Council at the Faculty of Humanities and Social Sciences six months prior to the launch of the study programme. The public tender provides details about the conditions and procedures for enrolment, the number of places, the documents that need to be submitted and the deadlines for registering on the tender and enrolment. If there are a suitable number of applicants who fulfil the conditions for enrolment, at the suggestion of the Council for Postgraduate Studies at the Department of Psychology, the Faculty Council will make the final decision about launching the tendered study programme.

When registering for the studies, applicants must provide: filled in registration and curriculum vitae forms, evidence about the required qualifications, diploma transcript (list of passed exams with grades and ECTS credits, as well as grades for graduate dissertations), two letters of recommendation (supervisor and teacher in the scientific-research and teaching or scientific research profession), birth certificate, certificate of citizenship, confirmation from an institutional or other legal person or signed statement about the payment of course fees. Applicants who have acquired their degree in a foreign educational institution, prior to their enrolment in the programme, are obliged to provide the faculty with a confirmation from the appropriate body about the recognition of their foreign degree.

The selection of applicants for enrolment on the studies is carried out by the Council of Postgraduate Studies at the Department of Psychology on the basis of the following criteria:

- success at the previous level of studies (graduate studies or undergraduate studies that started before the start of the Act on Scientific Activity and Higher Education O.G., No. 123/03.) – the average grade in previous studies should be at least 3,5,
- graduate dissertation grade in previous studies,
- research outline,
- interview with a departmental representative about their proposed research.

2.6. Study programme learning outcomes

2.6.1. Competences which student gains upon completion of study (according to CROQF (HKO): knowledge, skills and competences in a restricted sense – independence and responsibility)

Doctorands gain the competences at the highest level (8) of the Croatian Qualification framework. This means that they create and evaluate new factors in the area of scientific research, which results in the creation of new knowledge. They also develop social skills, independence and a responsible work ethic.



The specific and generic skills that doctorands are expected to have developed by the end of their doctoral studies and after they have written their doctoral dissertation are:

- information gathering skills (literature research, critical reading and analysis of objectiveness, interview skills, construction of measuring instruments),
- planning skills and project management (creation of a scientific research outline, organisation of the carrying out of research, timely discovery of potential problems, acquisition of required funds, leading a research team),
- familiarity with statistics and developing conclusion skills (familiarity with work on the computer and applied programs, understanding statistical reasoning, statistical analytical skills, ability to draw conclusions on the basis of quantitative data),
- written and presentation skills (speaking and listening skills, ability to present data and findings to a non-expert audience),
- observation skills as well as evaluating and grading students,
- skills in the presentation of professional and ethical authority,
- readiness to take on ethical and social responsibilities required for the successful carrying out of research, for the social use of research results, as well as possible social consequences,
- readiness to confront new challenges in society and the economic sector.

2.6.2. Employment possibility (list of possible employers and compliance with professional association's requirements)

A doctoral education primarily offers the possibility to develop an academic career, as well as for professional development in the areas of industry, economy, public sector, non-governmental organisations and similar. We expect that recently graduated Doctors of Science will be employed in universities, higher education institutions, health institutions, and in business, as well as all those places where there is a need to create new knowledge or new methods in order to develop these institutions. In terms of these doctoral studies, the Clinical Hospital Center in Rijeka, VIPnet d.o.o., Pliva Hrvatska d.o.o., Nexe grupa d.d. and Adris grupa d.d., the City of Rijeka and the county of Primorje-Goranska [as mentioned in Section 1.2.3] have shown an interest.

2.6.3. Possibility of continuation of study on higher level

Doctors of Science have the possibility for further postgraduate development in international universities, mainly those with whom the University of Rijeka has already signed a contract about collaboration, or in other international universities and health institutions.

2.7. Upon applying for graduate studies list proposer's or other Croatian institution's undergraduate study programmes which enable enrolment to the proposed study programme

To enrol on the study programme, the expected preconditions are:

- completed graduate studies in psychology or other graduate studies in the Republic of Croatia or abroad, where the candidate has acquired 300 ECTS (including university undergraduate studies) or
- completed undergraduate studies in psychology or other undergraduate studies* in the Republic of Croatia in a study programme that started prior to the start of the Act on Scientific Activity and Higher Education (O.G., No. 123/03.).

If candidates have not completed their undergraduate or graduate studies in psychology then the following procedure occurs: for these candidates an Enrolment Committee will be formed, which will decide whether the candidate satisfies the conditions for the doctoral study programme. They will decide whether the candidate needs to take differential exams in order to check whether they have the knowledge and skills that are required to be able to follow the study programme and write the doctoral dissertation. Each case is sorted out on an individual basis, and the Council of Postgraduate Studies will make the final decision based on the Committee's suggestions.

2.8. Upon application of integrated studies - name reasons for integration of undergraduate and graduate level of study programme

This is not related to postgraduate study programmes.



3. PROGRAMME DESCRIPTION

3.1. List of compulsory and elective subjects and/or modules (if existing) with the number of active teaching hours required for their implementation and number of ECTS-credits (appendix: Table 1)

See Attachment

3.2. Description of each subject (appendix: Table 2)

See Attachment

3.3. Structure of study programme, dynamic of study and students' obligations

The study programme is totally oriented towards research. The first year of the study programme consists of direct courses and offers an organised form of study (involving consultative teaching, teaching through the e-learning system, scientific seminars and discussion groups). The second and third years of the doctoral study programme are based on flexible organisation, which is independently structured by the candidate in collaboration with a three member committee that follows the work of the doctorand (which is made up of the mentor and two further lecturers in the area of the doctorands research). For each activity there are a minimum and maximum number of ECTS credits.

The study obligations are divided up in the following way: teaching obligations that earn a minimum of 45 ECTS and a maximum of 50 ECTS credits, scientific research that earns a minimum of 110 ECTS credits and a maximum of 120 ECTS credits, and scientific and other optional activities that earn a minimum of 20 ECTS credits and a maximum of 35 ECTS credits. The table below outlines the study obligations and number of ECTS credits for individual activities.

STUDY OBLIGATIONS	ECTS credits	
	Min	Max
TEACHING OBLIGATIONS	45	50
▪ <i>obligatory courses</i>	30	30
▪ <i>optional courses</i>	10	15
▪ <i>participation in undergraduate and graduate teaching</i>	5	5
ADDITIONAL ACTIVITIES		
SCIENTIFIC RESEARCH ACTIVITIES (obligatory)	110	120
▪ <i>public defence of doctoral theme</i>	5	5
▪ <i>synopsis of research</i>	5	5
▪ <i>preliminary research and presentation of preliminary research results</i>	20	20
▪ <i>carrying out of doctoral research, writing up and public defence of dissertation</i>	40	40
▪ <i>creation and publication of a review and/or original scientific article</i>	10	15
▪ <i>consultations with mentor</i>	20	20
▪ <i>participation in discussion groups</i>	10	20
SCIENTIFIC RESEARCH ACTIVITIES (optional)	20	35
▪ <i>participation in a national and/or international conference</i>	5	10
▪ <i>visit to a foreign university</i>	10	15
▪ <i>participation in scientific workshop and/or summer school</i>	5	10
OTHER ACTIVITIES (optional)	2	5
▪ <i>participation in a workshop with the aim of improving teaching competences</i>	1	3
▪ <i>popularisation activities</i>	1	2
<i>Individually defined separate activities up to a total number of 180 ECTS credits</i>		

Teaching obligations consist of:

- attending the obligatory courses and passing the required exams,
- attending the optional courses and passing the required exams,
- participation in teaching on undergraduate and graduate courses.

The Obligatory Courses are outlined in the study programme, and consist of two modules: a Module in General Research Methodologies in Psychology (joint foundation methodological courses: *Research Methods in Psychology, Quantitative Methods, Measurement Theories*) and a Module in the Doctoral Research Area (specific subjects

connected to the area and methodology of the doctoral research: *Doctoral research methodology and the field of research: theories and methods*). The third module consists of optional courses which are a part of the study programme.

Students choose two optional courses related to their doctoral research area. The student can enrol on optional courses and postgraduate doctoral study programmes in other units at the University of Rijeka and other universities (Section 3.4).

Scientific research consists of the construction and implementation of a research design, the creation of a research synopsis, carrying out preliminary research and the presentation of the results of this preliminary research, carrying out the main body of research, writing up the dissertation and the public defence of the dissertation. Scientific research work is evaluated through obligatory and optional additional activities.

Obligatory scientific research activities consist of the following:

- public defence of the chosen theme of the doctoral work (outline of research design),
- writing the synopsis of the doctoral research,
- carrying out preliminary research and the presentation of the results of this preliminary research,
- carrying out the main body of research, writing up of the dissertation and public defence of the dissertation,
- carrying out and publishing original scientific research where the student is the main author or co-author in a scientific journal cited in *Current Contents* or *Science Citation Index* or belongs to A1 category of works,
- active participation at a national or international scientific conference (oral or poster presentation in Croatian or English),
- participation in discussion groups* (*journal club*),
- participation in obligatory consultations with mentor/commentator.

Optional scientific research activities are the following:

- participation in the work of scientific workshop related to the area of doctoral research,
- participation in a summer school related to the area of doctoral research,
- visit to a foreign university with the aim of engaging in research work.

As optional activities, doctorands can participate in the workshops organised by the University of Rijeka related to the development of teaching competences, advancing the teaching process or introducing new ways of carrying out teaching, or participation in the popularisation of the discipline through lectures or presentations in appropriate events.

For the sake of clarity, the studies are shown here by semester in tabular form.

I. semester	II. semester	III. semester	IV. semester	V. semester	VI. semester	VII. & VIII. semester
Module: General Research Methodologies in Psychology (9 ECTS)	Module: General Research Methodologies in Psychology (9 ECTS)	Public defence of the doctoral research theme (5 ECTS)	Preliminary research – carrying out and the public presentation of research results (20 ECTS)	Writing up of doctoral dissertation (20 ECTS)	Writing up and defence of doctoral dissertation (20 ECTS)	According to need: Writing up and defence of doctoral dissertation
Module: Doctoral Research Area (6 ECTS)	Module: Doctoral Research Area (6 ECTS)	Synopsis (5 ECTS)				
		Optional module (10 ECTS)				
		Consultations (5 ECTS)	Consultations (5 ECTS)	Consultations (5 ECTS)	Consultations (5 ECTS)	
Discussion group	Discussion group	Discussion group	Discussion group			
Additional activities	Additional activities	Additional activities	Additional activities	Additional activities	Additional activities	
30 ECTS	30 ECTS	30 ECTS	30 ECTS	30 ECTS	30 ECTS	
180 ECTS						



First Year of Study – 30 ECTS credits for the two modules (General Research Methodologies in Psychology and Doctoral Research Area) which make up the obligatory courses, where the remaining number of ECTS credits is intended for participation in discussion groups as well as obligatory and optional additional activities. *Passing the exams in the obligatory courses is a precondition for enrolling on the Second Year of Study.*

Second Year of Study – defence of the doctoral research theme of (5 ECTS), work up and submission of synopsis (5 ECTS); optional courses (10 ECTS); implementation and presentation of results of the preliminary research (20 ECTS), obligatory and optional additional activities.

The accepted synopsis and carried out preliminary research, as well as the presentation of the results of the preliminary research, are preconditions for enrolling on the Third Year of Study.

Third Year of Study - carrying out doctoral research and writing of doctoral dissertation (60 ECTS). If required, students can use the fourth year of studies for the completion of their doctoral dissertation.

The precondition for registering the defence of the doctoral dissertation is the publication of an independent scientific article, or the publication of an article in co-authorship with a mentor or co-author, or the acceptance of such a publication.

Note:

*The *Journal Club* aims to stimulate doctorands in critical reading and thinking about scientific publications that are chosen/suggested by the doctorand and/or mentor. The discussion groups are held on a regular basis, and last for two school hours every other week, with the option for video-conferences for those participants who are outside Rijeka. Participation in one discussion group is worth 1 ECTS, whereby each doctorand is obliged to participate in a minimum of 10 discussion groups and must have taken an active role at least twice in the presentation of journal articles during the first two years of study. On the occasion of a visit by an eminent world scientist on the doctoral study programme (their names can be found in the table of outside collaborators), the discussion group will be dedicated to the presentation of their most recent research and scientific work.

Doctorands are obliged to participate in meetings with all doctorands outside of organised class time, supervisors and the Director of the Doctoral Study Programme with the aim of following the advance of scientific research and the work of each individual doctorand. This should occur at least once at the end of each academic year (this activity is does not earn credits).

In collaboration with the Committee who evaluates their work, each doctorand creates an individual plan and study programme with a list of obligatory and optional activities and appropriate ECTS credits. The individual plan and study programme is presented to the Council for Postgraduate Studies at the start of each academic year. The Council can adopt or reject the submitted plans and programmes, with an explanation and suggestions for additional work.

3.4. List of courses and/or modules student can choose from other study programmes

According to need, doctorands will be able to attend optional courses on the following postgraduate doctoral study programmes:

- Doctoral study programme in Psychology at the Faculty of Philosophy, University of Zagreb,
- Doctoral study programme in “Neuroscience”, University of Zagreb,
- Interdisciplinary university postgraduate scientific study “Language and Cognitive Neuroscience”, University of Zagreb,
- Doctoral study programme in Biomedicine at the Faculty of Medicine, University of Rijeka,
- Doctoral study programme in Philosophy and contemporary, Faculty of Humanities and Social Sciences, University of Rijeka,
- Doctoral study programme at the Faculty of Economics, University of Rijeka.

The Committee that evaluates the work of doctorands can approve courses that are considered to contribute to the quality of the doctoral research of the doctorand on postgraduate doctoral study programmes that are not on the above list.

3.5. List of courses and/or modules that can be implemented in a foreign language (specify the language)

All courses and additional activities can be carried out in the English language.

3.6. Allocated ECTS credits that enable national and international mobility

30 ECTS credits (optional courses, visit to a foreign university, discussion groups)



3.7. Multidisciplinarity/interdisciplinarity of the study programme

The multidisciplinary/interdisciplinary quality of the study programme is defined by the research projects and scientific work carried out by staff members at the Department (a list of projects is visible in Section 1.7). Doctorands will carry out their doctoral research in the areas in where their mentor works. In a large number of projects, they will participate as collaborators on the project, or due to the interdisciplinary nature of the research itself as outside collaborators/advisors with experts from other scientific disciplines (e.g. medical specialists in defined medical areas, cognitive neuroscientists, linguists, mathematicians and others).

3.8. Mode of study programme completion

Writing up, evaluation and defence of the doctoral dissertation.

3.8.1. Conditions of approval of final work /thesis and/or final/thesis exam application

The conditions for the writing up, evaluation and defence of doctoral dissertations are defined in the Ordinance about Study Programmes at the University of Rijeka and the Instructions for university postgraduate doctoral study programmes in psychology.

The studies are completed when all the exams have been passed, when all the other obligations of the doctoral study programme have been satisfied, as well as with the successful writing up and public defence of the dissertation, with which the student earns a minimum of 180 ECTS credits.

The dissertation can be handed in and accepted for the defence in the monographic form (traditional model) or can be based on published scientific articles (Scandinavian model). The dissertation is evaluated by the Dissertation Evaluation Committee which is made up of an uneven number of members from the scientific - research and teaching professions or scientific - research profession. They are recognised experts in the area of the dissertation topic, and are named by the Faculty Council, of which at least one member must be from another university or scientific institution.

The Committee decides about the dissertation mark through a majority vote and is obliged to inform the Faculty Council about this mark at the latest of three months from the acceptance of the dissertation. When the Faculty Council accepts the positive mark of the dissertation then at the same meeting a Dissertation Defence Committee and Record Keeper of the defence dissertation is formed. The dissertation defence is held within two months from the day the Faculty Council has accepted the dissertation. After the dissertation has been defended, the doctorand inserts a list in their dissertation with details about the author and members of the Defence Evaluation Committee (1. Author, II. Dissertation, III. Constitution of the Defence Evaluation Committee, IV. Constitution of the Dissertation Defence Committee) and the date of the defence. They also submit nine copies to the Secretary of the postgraduate study programme, who works in accordance with the rules and general acts of the University of Rijeka and the Faculty of Humanities and Social Sciences. On the basis of the decisions of the Dissertation Defence Committee, the University offers a Diploma of Doctor of Science. The Diploma of Doctor of Science is presented by the University Rector at an official promotion.



Table 1.

3.1. List of compulsory and elective courses and/or modules with teaching hours required and ECTS credits allocated

LIST OF MODULES/COURSES							
Year of Study: 1.							
Semester: I. and II.							
MODULE	COURSE	COURSE CO-ORDINATOR	L	E	S	ECTS	STATUS
General Research Methodologies in Psychology. 18 ECTS	Research Methods in Psychology	Dražen Domijan	20+10*			6	O
	Quantitative Methods	Ingrid Brdar	20+10*			6	O
	Measurement Theories	Vladimir Takšić	20+10*			6	O

*Note: 20 hours is foreseen for active teaching, and 10 hours for consultations in which [asides from the course co-ordinator] other staff from the Department can participate, as well as experts from specific research areas from other universities.

LIST OF MODULES/COURSES					
Year of Study: 1.					
Semester: I and II.					
MODULE	COURSE	COURSE CO-ORDINATOR	Consultations	ECTS	STATUS
Doctoral Research Area 12 ECTS	¹ Doctoral Research Methodology	Mentor/Co-mentor	15	6	O
	¹ Field of Research Selected texts: theory Selected texts: methodology	Mentor/Co-mentor	15	6	O

Doctorands in collaboration with their mentor and the Committee for the evaluation of their work choose the topic of their doctoral research from the area that their mentor/co-mentor is working in. The list of mentors and their research areas are listed in Table 3.2. Due to this approach, each doctorand individually creates and organises two courses from the module Doctoral Research Area: *Doctoral Research Methodology* and *Field of Research: Theory and Methodology*. In this way the basic principle of the doctoral study programme is upheld whereby a focus is placed on research and an individual approach is taken in the creation of the doctoral study programme for each individual doctorand.

¹ List of mentors and their research areas – Table 3.2.



LIST OF MODULES/COURSES

Year of Study: 2. and 3.					
Semester: III. to VI.					
MODULE	COURSE	COURSE CO-ORDINATOR	Consultations	ECTS	STATUS
CONSULTATIONS	Consultations connected to the doctoral research and the writing of the doctoral dissertation	Mentor/members of the Committee for evaluating the work of doctorands	10	5	0



LIST OF MODULES/COURSES

Year of Study: 2.

Semester: III.

MODULE	COURSE	COURSE CO-ORDINATOR	L	E	S	ECTS	STATUS
Optional Module 10 ECTS	Biopsychosocial aspects of functional gastrointestinal disorders	Mladenka Tkalčić	15			5	O
	Biopsychosocial aspects of diet	Alessandra Pokrajac-Bulian	15			5	O
	Determinants of risky health behaviors	Barbara Kalebić Maglica	15			5	O
	Evolution of emotions, personality and interindividual differences	Igor Kardum	15			5	O
	Cognitive and metacognitive aspects of reading	Svjetlana Kolić-Vehovec Barbara Rončević Zubković	15			5	O
	Cognitive processes in psychological disturbances	Ivanka Živčić-Bećirević	15			5	O
	Cognitive and neural modelling	Dražen Domijan	15			5	O
	Context in perception and cognition	Dražen Domijan	15			5	O
	Personality, stress and health	Jasna Hudek-Knežević	15			5	O
	Metacognition	Igor Bajšanski	15			5	O
	Methods of determining the correct answers in intelligence tests	Vladimir Takšić	15			5	O
	Methods of carrying out psychological research using computers and the internet	Marko Maliković	15			5	O
	Cross-cultural methodology	Vladimir Takšić	15			5	O
	Neuropsychology of dementia	Mladenka Tkalčić Alessandra Pokrajac-Bulian	15			5	O
	Family relations through the life cycle	Sanja Smojver-Ažić	15			5	O
	Organisational culture and climate	Zoran Sušanj	15			5	O
	Principles of psychophysiology	Igor Kardum Asmir Gračanin	15			5	O
	Positive psychology	Ingrid Brdar	15			5	O
	Estimates of the effectiveness of psychological intervention and treatment	Ivanka Živčić-Bećirević	15			5	O
	Psychology of entrepreneurship	Zoran Sušanj	15			5	O
	Psychology of judgement and decision making	Igor Bajšanski	15			5	O
	Psychosocial determinants of work success	Nada Krapić	15			5	O
	Self-regulation of learning	Svjetlana Kolić-Vehovec Barbara Rončević Zubković	15			5	O
Visual cognition	Dražen Domijan	15			5	O	
Protective and risk factors in the development of children and young people	Sanja Smojver-Ažić Tamara Martinac Dorčić	15			5	O	



Note: Within optional courses students will be offered topics connected to the immediate research of the course organiser. The topics within the optional course can change according to the current scientific research activities of the course organiser.

Table 3.2. List of mentors (supervisors) and research areas

No.	Name and Surname of Staff Member	Research area
1.	Professor Ingrid Brdar	Positive Psychology
2.	Professor Jasna Hudek-Knežević	Health psychology – Biopsychosocial aspects of health
3.	Professor Igor Kardum	Personality psychology: structures and mechanisms, Evolutionary Psychology
4.	Professor Svjetlana Kolić-Vehovec	Self-regulation of learning; Cognitive and metacognitive aspects of reading
5.	Professor Alessandra Pokrajac-Bulian	Biopsychosocial aspects of diet, eating disorders and obesity, Neuropsychological aspects of dementia
6.	Professor Vladimir Takšić	Contemporary approaches to the research of intelligence
7.	Professor Mladenka Tkalčić	Biopsychosocial aspects of gastrointestinal disorders and illness; Neuropsychological aspects of dementia
8.	Professor Ivanka Živčić-Bećirević	Cognitive processes in psychological disorders
9.	Associate Professor Dražen Domijan	Cognitive science; Cognitive neuroscience
10.	Associate Professor Sanja Smojver-Ažić	Development of family interaction
11.	Assistant Professor Igor Bajšanski	Higher cognitive processes
12.	Assistant Professor Nada Krapić	Work and organizational psychology
13.	Assistant Professor Tamara Martinac Dorčić	Adjustment in families of children with disabilities
14.	Assistant Professor Barbara Kalebić Maglica	Risky health behaviour
15.	Assistant Professor Barbara Rončević Zubković	Cognitive and metacognitive aspects of reading

A member of teaching staff can take the role of mentor if they fulfil the following criteria:

1. they are in the research-scientific and teaching or research-scientific profession,
2. in the last five years they have published at least five scientific articles, thereby proving that they are active researchers.

It is important to point out that within the period of three years at least another five members of teaching staff in the department will have the qualifications to be able to be mentors. This means that the total number of potential mentors is 20. Their curriculum vitae are also included in the doctoral study programme.



Table 3.3. List of foreign eminent professors and research areas

Institution	Name and surname	Title	Research area
Department of Psychology Washington University St. Louis, USA	Randy Larsen	professor	personality psychology, emotion, positive psychology
Department of Education and Psychology, Division of Methods and Evaluation, Freie Universität Berlin	Michael Eid	professor	methodology of research in psychology, statistical analyses, personality and emotion, mood and subjective well-being
Università degli Studi di Milano, Dipartimento di Scienze Cliniche Luigi Sacco, Milano	Antonella Delle Fave	professor	positive psychology
Institute for Psychology, Hungarian Academy of Sciences, Budapest	Márta Fülöp	professor	educational psychology, cross-cultural psychology
Tilburg School of Social and Behavioral Sciences, Department of Developmental and Clinical Psychology, Tilburg (NL)	Ad Vingerhoets	professor	stress, emotion and quality of life
Department of Psychology, Nagoya University, Japan	Hideki Ohira	professor	biological psychology, psychoneuroimmunology, neuroeconomy, psychophysiology
Croatian Institute for Brain Research, Department of Neuroscience, University of Zagreb	Goran Šimić	professor	biological markers of neurodegenerative diseases, developmental neuropathology
2nd Medical Department, University of Medicine and Pharmacy Iuliu Hatieganu, Cluj-Napoca, Romania	Dan L. Dumitrascu	professor	psychosomatic aspects of functional gastrointestinal disorders
Department of Psychology, Faculty of Humanities and Social Sciences, University of Ljubljana	Valentin Bucik	professor	methodology of research in psychology, statistical analyses, psychophysics, kognitive psychology
Department of Psychology, Faculty of Humanities and Social Sciences, University of Novi Sad	Petar Milin	professor	methodology of research in psychology, psycholinguistics
Department of Psychology, Iowa State University, USA	Zlatan Krizan	professor	methodology of research in psychology, psycholinguistics



Alma Mater Studiorum – Università di Bologna, Faculty of Medicine, University of Bologna, Italia	Giulio Marchesini Reggiani	professor	biopsychosocial aspects of obesity
Department of Psychology, Umea University, Sweden	Bo Molander	professor	sport psychology, cognitive abilities, emotional intelligence
Education Testing Center, Princeton, USA	Richard Roberts	professor	emotional intelligence, cognitive abilities, personality, motivation, health and well-being
Goldsmiths, University of London, London, UK	Tomas Chamorro Premuzic	professor	psychometrics, individual differences, organisational psychology, emotional intelligence, cognitive abilities
Department of Psychology, The Ohio State University, USA	Julian Thayer	professor	psychophysiology of emotion, psychoneuroimmunology, psychomusicology