



Report for periodical internal evaluation of doctoral study programmes

1. General information

1.1 Name of the study programme	Postgraduate Doctoral Study Programme in Psychology
1.2 Study programme coordinator	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
1.3 Study programme implementer(s)	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
1.4 Other partner institutions	
1.5 Scientific or artistic field	Psychology
1.6 Scientific or artistic area	Social sciences
1.7 Scientific or artistic branch (if the doctoral study is conducted in a branch)	
1.8 Number of required courses/modules conducted at the University of Zagreb	Two modules consisting of three courses each; a total of six mandatory courses
1.9 Number of elective courses/modules in the study programme	Eight modules with a varying number of courses, among which the student chooses at least six to take during three years of study
1.10 The minimum number of doctoral students enrolled set by the programme 10	1.11 The maximum number of doctoral students enrolled set by the programme 25

2. Introduction

Please comment:

2.1 Doctoral study programme justifiability concerning the needs of research activity in the public and private sectors.

1 Postgraduate Doctoral Study Programme in Psychology represents the highest degree of scientific education in psychology. It is designed to prepare psychologists for the most complex scientific research and professional activities, independent scientific work, and an academic career. After graduating from this programme, students should be able to fully engage as members of interdisciplinary research teams, to think like researchers, to explore using appropriate methodology and to provide an informed interpretation of any research problem which calls for or can benefit from psychological expertise.

The quality of the programme along with the system of transferable ECTS credits enables students to continue their postdoctoral education at any European or other university. It is expected that highly specialized education programmes, even for the most qualified research staff, will also soon be developed in the national and regional market of research and education (for example, special courses in advanced statistical and analytical techniques etc.).

The dynamics of employing highly qualified experts holding the highest academic degrees largely depends on the strategy of development of scientific and other markets in Croatia. Doctors of science in psychology can find employment at various research institutions, universities or other educational institutions, specialized institutes, in highly demanding jobs in public administration and diplomacy, and all other jobs in the private and public sectors which require a high level of psychological expertise and research competencies. The quality of the programme, and its continuous comparison to other similar programmes abroad, will ensure the competitiveness of Croatian researchers even outside the borders of Croatia. This is especially important considering the upcoming accession of Croatia to the European Union, which is expected to turn the doctoral students in this study programme into highly competitive experts.

2.2 Doctoral study programme focus on competitive science research and competences.

The intensive cooperation with other domestic and foreign psychology departments in the fields of education and research ensures continuous improvement of the educational process and further development of the



educational and research programme. Croatian instructors' short- or long-term study and research visits to foreign research centres enable the instructors and researchers who hold particular courses or modules within the doctoral study programme to receive continuous education and training. Comprehensive inter-university cooperation programmes enable continuous visits of foreign researchers to the Department of Psychology, where they are involved in the teaching process in accordance with their field of expertise or take the role of consultants for doctoral students. Four active members of the Department and one professor emeritus spent a considerable amount of time at the most prominent universities in the USA as Fulbright scholarship recipients. An even stronger institutional development is expected through an exchange of instructors, researchers and doctoral students within several joint research programmes, under the ERA – FP7 Research Framework Programme. Examples of these programmes are *Operationalizing psychosocial support in crisis – OPSIC* (head of the programme in Croatia is professor Dean Ajduković), for the period 2013-2016, and *Components, organisation, costs and outcomes of health care and community based interventions for people with posttraumatic stress following war and conflict in the Balkans – Connect*, which was implemented as part of FP-6 2004-2005 framework programme and also led by professor Ajduković. Members of the Department of Psychology have also been enrolled in other international research frameworks – for example, *Transition to Adulthood and Collective Experiences Survey* was a project implemented under the SCOPUS programme of the Swiss National Science Foundation, during the period of 2006-2008 (project leader in Croatia was professor Dinka Čorkalo Biruški). Other international projects in which the teaching staff from the Department of Psychology currently take part, and under which doctoral students develop their research skills, are listed in section 3.3 of this Report.

The general strategy of the development of doctoral study programmes is based on involving doctoral students in research projects led by the programme's instructors. The doctoral students will, in accordance with their interests, be involved in teaching undergraduate and graduate courses in psychology, in order to gain experience in transferring knowledge from their area of expertise, developed during their doctoral study. Furthermore, the doctoral study programme also involves various activities which accompany the core part of the programme, the doctoral students' research work, such as publishing scientific papers, presenting parts of their research, as well as participating in summer school programmes and specialized seminars. Indicators of doctoral students' success, gathered through an internal evaluation of the doctoral study programme carried out in 2012, serve as evidence to the programme's intensive activity in the field of scientific research. The evaluation revealed that the students who had defended their doctoral dissertation published 4.2 papers on average, and held 5.4 presentations at conferences. During their study, doctoral students publish between 2.6 and 4.1 scientific papers on average, and take part in 2.9 to 4.2 conferences. As another indicator of success we should also mention the grade average for the exams, which in different modules range between 4.16 and 4.97. The doctoral study programme attracts the most perspective students from Croatia and neighbouring countries, which will remain in the programme's focus in the future. Five students from Bosnia and Herzegovina and one from the Republic of Macedonia have enrolled in the new doctoral study programme. Our intention is to keep attracting even more students from the neighbouring countries with the quality of the programme, and proceed to develop as a strong, internationally recognized regional centre of research education at the highest level.

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

The doctoral study programme of the Department of Psychology, Faculty of Humanities and Social Sciences in Zagreb, is a programme designed to provide specific scientific and research education of psychologists. A long tradition (since 1966) of organizing and implementing postgraduate education programmes that have continuously been improved, upgraded, modernized and aligned with similar programmes abroad, also enables the existing doctoral study programme to follow the standards of excellence and modern developments in psychological science and related disciplines. The proposed doctoral study programme follows principles similar to those of other doctoral programmes in the world, but also takes into account the specificities of the Croatian context, offering integration of two approaches: on the one hand, the programme has retained the profile of general research education of psychologists, and does not offer a doctoral degree in any specific branch of psychology, but at the same time enables doctoral students to design their own educational and research programme by selecting (in cooperation with their supervisor) modules and other content of the doctoral programme, and thus to specialize in a particular field. The core specialization within a



specific field is enabled through an individual research programme, which is developed for each student based on his or her research interests, specific research work and expected research accomplishments. It is to be expected that the development of the Department of Psychology with respect to both staff and research, and its cooperation with other European research and education centres, will also enable the possibility of developing, in addition to the general doctoral study programme, a more specialized doctoral study programme or smaller specialized modules.

2.4 Previous experience in implementing doctoral study programmes.

For academic year 2011/2012 make an annual report using form Dr.Sc.09 and attach it to this report, in accordance with article 22 of the Regulations on doctoral studies at the University of Zagreb.

The criteria of evaluation comprise: scholarly or artistic production of teachers and doctoral candidates, teaching, relevance and quality of dissertations, statistical data on duration of study, statistical data on the annual number of new PhDs relative to the number of doctoral candidates, and achieved results in international cooperation.

Describe the experience so far and substantiate with indicators in the table below for each academic year, starting with the one in which the program has been initiated.

The postgraduate study programmes in psychology have been launched on the initiative of the Department of Psychology in 1966 as a third degree of education in social psychology, industrial psychology and clinical psychology. The first generation of 15 postgraduate students was admitted in the academic year 1966/67. The first programme of postgraduate studies in psychology provided only for research training of undergraduate-level psychologists, and was organized as a Master's programme. However, a need very quickly emerged for specialized education of psychologists in practice, which led to launching of postgraduate specialist study programmes in clinical psychology, industrial psychology and school psychology in academic year 1970/71. During 1980s, the postgraduate programme was significantly modernized, the number of topics and courses was increased, the number of teaching hours was increased to about one hundred per semester, instructors from other faculties and universities were involved in teaching, and the first visiting lecturers from abroad came to hold lectures. The postgraduate study programme has fully followed European and world trends in postgraduate education of psychologists, and the classes have included a number of topics which were in the focus of research interests of psychologists at the time: for example, stress research, research of the relationship between attitudes and behaviours, research of capabilities of simultaneous operation, etc. Classes on these and other contemporary topics have been taught by teaching staff from the Department of Psychology, which is an indicator of simultaneous development of trends in world psychology and the Zagreb school of psychology. So far, the Department of Psychology has awarded 301 doctoral degrees, 226 Master's degrees, and 103 Specialist degrees.

Adopted in 1996, the new curriculum for the postgraduate study programme in psychology introduced a three-year doctoral programme, and a one-year doctoral programme for Master and Master Specialist degrees in psychology, thus making the postgraduate study programme in psychology among the first ones at the University of Zagreb to introduce this highest level of postgraduate education. Introduction of the one-year doctoral study programme for Masters/Master Specialists in psychology enabled the continuation of research education and training even for those colleagues who have completed one of the postgraduate specialist study programmes, but have not previously received education in research.. The new curriculum also broadened the scope of existing specialization programmes. A specialization in school and pre-school psychology was introduced, together with a specialization in industrial and organizational psychology. Principles of designing the new curriculum were fully aligned with the design of similar programmes at the most prominent foreign universities. In each generation, about fifteen students are enrolled in the doctoral programme, and about twenty students in the Master's programme. A professional study programme in clinical psychology still has the highest number of admitted candidates (about fifteen students). Over a ten-year period between 1996/97 and the accreditation of the new programme, a total of 227 students were enrolled in the postgraduate study programmes in psychology. Four of those were awarded a doctoral degree within the doctoral study programme, 45 obtained a doctoral degree outside the doctoral study programme, and 38 students obtained a master's degree. In the six-year period from 2006/07 to date, 87 students were enrolled in postgraduate study programmes in psychology, of whom 49 obtained a doctoral degree within the doctoral study programme, 52 obtained a doctoral degree outside the doctoral study programme, and 45 students obtained a master's degree.



The new study programme, which complies with the Bologna model of education, was accredited by the Ministry of Science, Education and Sports on 4 April 2008. Changes in the programme, made in accordance with the Regulations on Doctoral Studies at the University of Zagreb, were adopted in 2012.

Instructors at postgraduate study programmes in psychology make up the Council of Postgraduate Study Programmes in Psychology, which consists of 18 course coordinators and 55 other instructors and collaborators who teach certain topics within the courses. University teachers from all departments of Psychology in Croatia and Slovenia regularly participate in the postgraduate study programmes as course coordinators, guest lecturers or as members of master’s theses and doctoral dissertations defence committees. Furthermore, postgraduate study programmes in psychology regularly host prominent researchers from Europe and the USA.

Academic year	No. of enrolled PhD candidates	Doctoral research topics approved	Dissertations defended
2005/2006	12 (2 nd year)	11	1 ¹
2006/2007	23 (1 st year)	/	3
2007/2008	19 (2 nd year)	18	7 (1)
2008/2009	16 (3 rd year) 29 (1 st year)	/	12
2009/2010	23 (2 nd year)	21	11 (2)
2010/2011	16 (1 st year) 16 (3 rd year)	1	17 (3) (2)
2011/2012	10 (2 nd year)	1 10	21 (3) (1)
2012/2013	19 (1 st year) 9 (3 rd year)	/	11 (2) (6) (2)

2.4 International recognisability of the study coordinator in their scientific or artistic research, or artistic practice.

The Department of Psychology holds the oldest psychology study programme in the region (since 1929), and postgraduate education programmes have been available since 1966. The Department of Psychology was one of the first at the University of Zagreb to launch a three-year doctoral study programme in psychology (1996), which was the forerunner of the programme organized according to the Bologna principles of higher education. Short-term or long-term study and research visits to foreign research centres enable teaching staff and researchers who coordinate particular courses or modules of the doctoral study programme to receive continuous education and training.

Four active members of the Department and one professor emeritus received Fulbright scholarships for the most prominent universities in the USA: University of Urbana Champaign (professor B. Šverko), University of California Berkeley (professor D. Ajduković), University of Massachusetts at Amherst (professor D. Čorkalo Biruški), Colorado State University (professor D. Maslić Seršić) and Purdue University (assistant professor Z. Galić). They have continued their cooperation with their colleagues from these universities even after their return to their parent department.

¹ The doctoral study programme in psychology enrolls new students every two years. In the in-between years, only preparatory year students are admitted (students who are not psychologists by formal education), so they could complete the preparatory year programme before the admission of a new regular generation of doctoral students. Therefore, different cohorts of students are highlighted in different colours.



Intensive cooperation of doctoral studies' teaching staff with their foreign colleagues is also evident from the list of international projects involving instructors from the Department of Psychology in the roles of project collaborators or project leaders (see section 3.3).

Instructors of the Department of Psychology have been publishing their research in the most prestigious journals in the field, such as: *Journal of Vocational Behavior*, *European Journal of Work and Organizational Psychology*, *Journal of Personality*, *Personality and Individual Differences*, *Assessment*, *International Journal for Behavioral Development*, *Journal of Cross-Cultural Psychology*, *Social Indicators Research*, *Journal of Happiness Studies*, *European Journal of Personality*, *Emotions*, *Acute Pain*, *Comprehensive Psychiatry*, *Intelligence*, *Journal of Individual Differences*, *Journal of Sex Research*, *Archives of Sexual Behavior*, *Psychology and Sexuality*, *Translation Neuroscience*, *Psychiatric Services*, *International Journal of Selection and Assessment*, *Journal of Personnel Psychology*, *Journal of Psychopathology and Behavioral Assessment*, *Studia Psychologica*, *Mathematical Thinking and Learning*, *Psychology and Aging*, *Journal of Teacher Education*, *Journal of Personality and Social Psychology*, *The British Journal of Psychiatry*, *Journal of Anxiety Disorder*, *Archives of General Psychiatry*, *International Journal of Social Psychiatry*, *Psychiatry Research*, *Social Science and Medicine*, *Psychological Medicine*, *Criminal Behavior and Mental Health*, *Journal of Traumatic Stress*, *Psychopathology*, *Journal of Clinical Psychiatry*, *Journal of General Psychology*, *Aging and Mental Health*, *International Journal of Geriatric Psychiatry*, *Journal of Psychosomatic Obstetrics and Gynecology*, *Journal of Clinical Psychology in Medical Settings*, *Environment and Behavior*, *Journal of Research in International Education*, *Reflective Education*, *Science* etc.

Instructors and supervisors of the doctoral study programme in psychology are often invited to write chapters in books published by the world's most prominent publishers, like *Springer*, *Logos Verlag*, *Oxford University Press*, *Wiley*, *Routledge*, etc.

Instructors of the doctoral study programme are also reviewers in many renowned international journals, as well as members of these journals' editorial boards and/or editorial councils (e.g. professor D. Ajduković is a member of the editorial councils of *Intervention*, *International Journal of Mental Health*, *Psychosocial Work and Counselling in Areas of Armed Conflict*, *Journal of Traumatic Stress* and the *European Journal of Psychotraumatology*; professor Vesna Buško is a member of the Editorial Board of *Psychological Tests and Assessment Modelling*; professor D. Čorkalo Biruški is a member of the Editorial Council of the *Journal of Social and Political Psychology*; professor Ž. Kamenov is a member of the Editorial Council of *Interpersona*).

Instructors of the doctoral study programme in psychology are often invited to speak at prestigious international conferences and foreign universities. For example, professor D. Ajduković spent one semester in 2007 as a visiting professor at the *University of Denver*.

Members of our teaching staff have also been invited to act as members of committees for doctoral dissertations evaluation and/or defence at foreign universities such as the *University of Ljubljana* (professor V. Buško), the *University of Cape Town* (professor D. Ajduković), and *Griffith University, Australia* (professor D. Maslić Seršić), or as co-supervisors for doctoral dissertations (professor G. Kuterovac-Jagodić, *Long Island University in Brooklyn*, New York). Professor D. Ajduković was also member of a committee for the appointment to the rank of professor at the School of Professional Psychology, *University of Denver*, USA.

The largest number of instructors at the Department of Psychology are members of renowned international associations (European, American and international) that bring together researchers from specific research fields, and many of them were members of organizing and programme committees for conferences organized by these associations. The Department of Psychology thus organized conferences held by some of the most prominent European associations, such as the *15th General Meeting of the European Association of Social Psychology* (2008), and the *10th European Society of Traumatic Stress Studies Conference* (2007). For about forty years, the Department of Psychology has been the organizer of the most respectable conference for Croatian psychologists, *Days of Ramiro and Zoran Bujas*, which has an increasing international importance.

2.5 Comparability with similar doctoral programmes of highly ranked foreign universities.

The doctoral study programme in psychology is a general profile programme, providing students with knowledge and skills in the broad area of psychology, although an individual plan of study is also tailor-made



for each student to suit his or her special needs and interests. The programme consists of an optimum combination of teaching and research activities which makes it comparable to other similar doctoral study programmes abroad, particularly in highlighting the extensive methodological training of doctoral candidates.

A long tradition of organizing and implementing postgraduate education (since 1966) through programmes that have continuously been improved, upgraded, modernized and aligned with similar programmes abroad, enables the existing doctoral study programme to also follow the standards of excellence and modern developments in psychological science and related disciplines. The proposed doctoral study programme follows principles similar to those of other doctoral programmes in the world, but also takes into account the specificities of the Croatian context, offering integration of two approaches: on the one hand, the programme retains the profile of general research education of psychologists, and does not offer a doctoral degree from a specific branch of psychology, but at the same time allows doctoral students to design their own educational and research programme by selecting (in cooperation with their supervisor) modules and other contents of the doctoral programme, and thus to specialize in a particular field. The core specialization of a student within a specific field is enabled through an individual research programme, which is developed for each student based on his or her research interests, specific research work and expected research accomplishments. It is to be expected that the development of the Department of Psychology with respect to both staff and research, and the cooperation with other European research and education centres, will also enable the possibility of developing, aside from the general doctoral study programme, some more specialized doctoral study programmes or smaller specialized modules. The upcoming accession of Croatia to the European Union will open up even greater possibilities for research cooperation between the doctoral study programme of the Department of Psychology and the related doctoral programmes of other European universities, both within the new research strategy Horizon 2020 and other smaller international cooperation projects.

The comparability of the doctoral study programme in psychology at the Department of Psychology, Faculty of Humanities and Social Sciences in Zagreb, with other similar doctoral study programmes in Europe and the world, primarily in the USA, allows students to transfer their ECTS credits. Cooperation with foreign experts on joint research projects and programmes opens up even more opportunities for the exchange of doctoral students (Croatian students' study trips abroad and hosting foreign students at the Department). So far, six of our students have seized this opportunity. Allowing students to acquire ECTS credits at other universities in the form of elective courses enables the student mobility and the Department's cooperation with other postgraduate study programmes. Through inter-university student exchange, the elective courses of our doctoral study programme in psychology were so far attended and passed by three students from the University of Ljubljana. The courses they attended were The Individual in Relation to Social Change, Personality and Intellectual Competence, and Work and Mental Health. Since the previous postgraduate study programme provided for, and in several cases realized, the transfer of students from foreign doctoral study programmes to the doctoral study programme of the Department of Psychology in Zagreb and vice versa, the new programme will also continue and even greatly improve this practice.

The comparability of the doctoral study programme at the Department of Psychology, Faculty of Humanities and Social Sciences in Zagreb, with similar programmes at many European universities is also evident in general organization of the programme and the basic principles of its implementation: 1. orientation to scientific research; 2. curriculum content focused on the development of basic and generic competencies appropriate for the postgraduate level of education; 3. curriculum content that qualifies students for applying the highest level of methodological knowledge; 4. elective courses in the curriculum, allowing for complete customization of the programme for each individual student; 5. studying based on an individualized plan of study; 6. intensive mentoring; 7. selection procedure for admission, including an outline of a research plan for each applicant; 8. Interdisciplinary work; 9. mobility of teachers and students.

2.6 Requirements for admission to the doctoral study programme.

Applicants who have been awarded the title of Graduated Psychologist/Professor of Psychology according to the "old pre-Bologna" system can be admitted to the doctoral study programme in psychology if their grade point average is very good (4) or above, as well as applicants with a completed graduate degree programme in psychology (Masters of Psychology) according to the Bologna process, with a grade point average of very good (4) or above.



The doctoral study programme will also admit applicants who are holders of Master’s and Specialist degrees (mr. sc. and mr. spec.) in psychology, as well as applicants who have completed all of the courses and other requirements in the postgraduate research or specialist programme in psychology, but who have not yet defended their final thesis, provided that they have a grade point average of very good (4) or above. These cases will be considered individually, based on the student’s application. The Council for Postgraduate Study Programmes will determine whether taking any additional exams would be required and whether any courses and other requirements completed in the respective (post)graduate education programme may be credited in the doctoral study programme.

The doctoral study programme will also admit applicants who are holders of Master’s degrees in other fields. They will first be admitted into a preparatory year of the doctoral study programme, which involves taking additional exams as determined by a special board of the Council for Postgraduate Study Programmes in Psychology. Having successfully completed the preparatory year and passed all the required exams, these students will be admitted to the doctoral study programme in psychology like all other applicants.

Each applicant is required to enclose two letters of recommendation from professors of psychology, as well as a short Curriculum Vitae (no more than 1800 characters), a detailed letter of motivation for the doctoral study programme (no more than 1800 characters), a brief description of his or her research interests and a general research plan (no more than 3600 characters), the name of the suggested supervisor to monitor the student’s work and supervise his/her doctoral thesis, and proof of any research done so far (articles and abstracts of conference papers). All applicants (except for Masters in fields other than psychology) are required to take an entrance examination assessing their level of research competence, which consists of drawing up a general research draft in the applicant’s field of interest. Upon passing the entrance examination, each candidate approaches a mandatory interview.

To be admitted to the doctoral study programme, applicants are required to enclose a written statement declaring whether they are studying full-time or part-time. The maximum number of students per generation is 25. If the number of applicants should be greater, the 25 most successful applicants will be admitted.

2.7 Organization of the doctoral study programme (institutional management of the doctoral study).

The Council for Postgraduate Study Programmes of the Department of Psychology, Faculty of Humanities and Social Sciences in Zagreb, and programme coordinator professor Dinka Čorkalo Biruški are in charge of planning and implementing the doctoral study programme in psychology. The Council for Postgraduate Study Programmes of the Faculty of Humanities and Social Sciences in Zagreb and the Faculty Council are in charge of procedures associated with the approval of doctoral dissertation proposals and acquiring of doctoral degrees, according to the Statutes of the University of Zagreb and the Faculty of Humanities and Social Sciences. The study programme is fully in compliance with the Regulations on Doctoral Studies at the University of Zagreb. Doctoral diplomas are awarded by the University of Zagreb.

3. Teaching and scientific conditions of the implementation of the study programme

3.1 List of teachers at the doctoral study programme. (add rows if necessary)

Name and surname	Academic title	Name of the institution
Dean Ajduković, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Denis Bratko, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Vesna Buško, PhD	associate professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Ana Butković, PhD	assistant professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Dinka Čorkalo Biruški, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology



Zvonimir Galić, PhD	assistant professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Ivana Hromatko, PhD	assistant professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Dragutin Ivanec, PhD	associate professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Željko Jerneiđ, PhD	associate professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Boris Jokić, PhD	research associate	Institute for Social Research in Zagreb
Nataša Jokić-Begić, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Željka Kamenov, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Gordana Keresteš, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Vladimir Kolesarić, PhD	full professor (retired)	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Gordana Kuterovac-Jagodić, PhD	associate professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Katica Lacković-Grgin, PhD	full professor (retired)	University of Zadar, Department of Psychology
Anita Lauri Korajlija, PhD	assistant professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Marta Ljubešić, PhD	full professor	Faculty of Education and Rehabilitation Sciences, Department of Speech and Language Pathology
Damir Ljubotina, PhD	associate professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Iris Marušić, PhD	senior research associate	Institute for Social Research in Zagreb
Darja Maslić Seršić, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Zrinka Ristić Dedić, PhD	research associate	Institute for Social Research in Zagreb
Branimir Šverko, PhD	professor emeritus	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Meri Tadinac, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Vlasta Vizek Vidović, PhD	full professor	Institute for Social Research in Zagreb
Vesna Vlahović-Štetić, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Andrea Vranić, PhD	assistant professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Predrag Zarevski, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology

Note: prepare and at the request of the Committee submit detailed information for each teacher according to Table 1 at the bottom of the report

3.2 List of potential supervisors. (add rows if necessary)

Name and surname	Academic title	Name of the institution
Dean Ajduković, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Marina Ajduković, PhD	full professor	Faculty of Law in Zagreb, Department of Social Work
Lidija Arambašić, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology



Denis Bratko, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Irma Brković, PhD	research associate	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Vesna Buško, PhD	associate professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Ana Butković, PhD	assistant professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Dinka Čorkalo Biruški, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Vera Ćubela Adorić, PhD	associate professor	University of Zadar, Department of Psychology
Jasminka Despot Lučanin, PhD	full professor	University of Zagreb, Centre for Croatian Studies
Dražen Domijan, PhD	associate professor	University of Rijeka, Department of Psychology
Zvonimir Galić, PhD	assistant professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Ivana Hromatko, PhD	assistant professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Aleksandra Huić, PhD	research associate	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Dragutin Ivanec, PhD	associate professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Margareta Jelić, PhD	assistant professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Željko Jerneić, PhD	associate professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Nataša Jokić-Begić, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Željka Kamenov, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Gordana Keresteš, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Zvonimir Knezović, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Gordana Kuterovac-Jagodić, PhD	associate professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Anita Lauri Korajlija, PhD	assistant professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Darko Lončarić, PhD	assistant professor	University of Rijeka, Faculty of Teacher Education
Tajana Ljubin Golub, PhD	associate professor	University of Zagreb, Faculty of Teacher Education
Damir Ljubotina, PhD	associate professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Ilija Manenica, PhD	full professor (retired)	University of Zadar, Department of Psychology
Darja Maslić Seršić, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Nina Pavlin-Bernardić, PhD	assistant professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Ana Proroković, PhD	associate professor	University of Zadar, Department of Psychology
Ninoslava Pećnik, PhD	full professor	Faculty of Law in Zagreb, Department of Social Work
Zvezdan Penezić, PhD	associate professor	University of Zadar, Department of Psychology
Daria Rovani, PhD	research associate	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Sanja Smojver Ažić, PhD	associate professor	University of Rijeka, Department of Psychology
Izabela Sorić, PhD	full professor	University of Zadar, Department of Psychology



Nataša Šimić, PhD	associate professor	University of Zadar, Department of Psychology
Mladenka Tkalčić, PhD	full professor	University of Rijeka, Department of Psychology
Meri Tadinac, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Mirjana Tonković, PhD	research associate	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Vesna Vlahović-Štetić, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Andrea Vranić, PhD	assistant professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Anita Vulić-Prtorić, PhD	full professor	University of Zadar, Department of Psychology
Predrag Zarevski, PhD	full professor	Faculty of Humanities and Social Sciences in Zagreb, Department of Psychology
Ivanka Živčić-Bećirević, PhD	full professor	University of Rijeka, Department of Psychology

*Note: If a potential supervisor is not a teacher at the doctoral study, prepare and at the request of the Committee submit more detailed information for each potential supervisor according to **Table 2** at the bottom of the report*

3.3 List of scientific and developmental topics on which the doctoral study programme is based.

In the recently completed project cycle supported by the Ministry of Science, Education and Sports, the following projects have been implemented at the Department of Psychology since 2006. These are:

1. *Individual and community adjustment at times of social transition* (project leader: professor Dean Ajduković)
2. *Genetic and environmental contributions to the development of personality* (project leader: professor Denis Bratko)
3. *Measuring latent psychological attributes: Person dispositions and processes* (project leader: professor Vesna Buško)
4. *Personality and socially desirable responding* (project leader: professor Željko Jerneić)
5. *Anxiety and depression in a long-life perspective* (project leader: professor Nataša Jokić- Begić)
6. *Socio-cognitive processes in self-regulation and interpersonal relations* (project leader: professor Željka Kamenov)
7. *Parents' personality and parenting during child's transition to adolescence* (project leader: professor Gordana Keresteš)
8. *Integration of information as a basis of cognitive processes* (project leader: professor Vladimir Kolesarić, followed by professor Dragutin Ivanec after the retirement of professor Kolesarić)
9. *Individual and organizational consequences of job insecurity* (project leader: professor Darja Maslić Seršić)
10. *Psychosocial aspects of unemployment: A longitudinal study* (project leader: professor Branimir Šverko)
11. *Testing the evolutionary model of adaptation and health* (project leader: professor Meri Tadinac)
12. *Psychological factors of math learning: Performance, strategies and motivation* (project leader: professor Vesna Vlahović-Štetić)
13. *Changes in personality and cognitive processes in the old age* (project leader: professor Predrag Zarevski).

International projects involving members of the Department of Psychology:

1. *Children and interethnic tensions* (2010-2012) in cooperation with the University of Notre Dame, USA, project leader in Croatia professor Dean Ajduković, project collaborator professor Dinka Čorkalo Biruški
2. *Operationalizing psychosocial support in crisis – OPSIC* (2013-2016), a research project within the FP7 programme, project leader in Croatia professor Dean Ajduković, project collaborator professor Dinka Čorkalo Biruški



3. *Comparing factor analytic techniques of modelling socio-emotional competencies across cultures* (2012-2014), in cooperation with Humboldt-Universität zu Berlin, project leader in Croatia professor Vesna Buško
4. *Expressing love in marriage: Gender, age and cultural differences* (2011-2013), in cooperation with Faculty of Humanities and Social Sciences in Novi Sad, Department of Psychology, project leader professor Željka Kamenov
5. *Love and gender* (2010-2013), in cooperation with University of Texas at Austin (SAD), project leader professor Željka Kamenov
6. *Values, attitudes and social roles: Transgeneration perspective* (2011-2013), a project led by professor Ivan Jerković from the Faculty of Humanities and Social Sciences in Novi Sad, Department of Psychology, project collaborator professor Željka Kamenov
7. *Computerized training of children with dyslexia in Sweden and Croatia* (2010-2013), Department of Psychology, University of Gothenburg, Sweden, project leader in Croatia professor Gordana Keresteš
8. *Manifestations of dyslexia: Cross-linguistic studies of the development of reading and writing* (2009–2013), Department of Psychology, University of Gothenburg, Sweden, project leader in Croatia professor Gordana Keresteš
9. *Happiness in marriage and reproductive success* (2012-2014), project leader professor Piotr Sorokowski, University of Wroclaw, project leader in Croatia assistant professor Ivana Hromatko, project collaborator professor Meri Tadinac
10. *ICT competence network for innovative service for persons with complex communication needs* (IPA project 2013-2015), project collaborators professor Vesna Vlahović-Štetić, assistant professor Nina Pavlin-Bernardić and professor Gordana Kuterovac-Jagodić.

4. Description of the programme

4.1 Describe the structure of the doctoral study programme.

Full-time students with a Master's degree or Professor of Psychology/Graduated Psychologist degree attend a three-year doctoral study programme. It is expected that most full-time students will be research assistants from academic institutions and research institutes. The duration of the study programme for research assistants may be even longer, but not longer than five (5) years. Requests to extend the period of study can be referred to the Council for Postgraduate Study Programmes, and will be dealt with individually.

Full-time students with a Master's degree in other fields attend a four-year doctoral study programme which includes the preparatory year to take the required additional exams.

Full-time students with a Master's degree in psychology can attend a shorter doctoral study programme, in the duration of no less than one year; i.e., two previously completed years of a postgraduate scientific programme can be credited in the doctoral study programme. Full-time students with a Specialist degree can also attend the doctoral study programme shorter than three years, depending on the programme previously completed and any other research achievements. Such cases will be assessed on an individual basis, and additional admission requirements may be defined based on a recommendation of the Council for Postgraduate Study Programmes.

For part-time students the programme may take twice as long, but no longer than seven years. These students attend a five-year doctoral study programme, but have the option to submit a written request for extending the period of study to no more than seven years. Upon expiration of the seven-year period, additional requirements may be set down in order for the student to complete the programme.

Full-time students can choose to transfer to part-time study programme, but only before they enrol in the 3rd semester of their study.

Eight years after enrolment in the study programme, the doctoral student loses the right to defend his/her doctoral dissertation.



4.2 Describe how the study programme trains doctoral students to acquire research or artistic knowledge, experience and skills that will enable them to offer creative and research-based solutions of complex social and economic problems.

The programme is structured in modules – units of interconnected courses within a particular field, which provide an in-depth and specialized insight into specific knowledge. Each module consists of at least three courses with a total of 9-12 ECTS credits, and involves at least 30 hours of different types of classes. Considering the high level of education and student requirements for completion of these highly specialized courses, all of the courses have been standardized to carry 3 (most elective courses) or 4 (highly specialized methodology courses, mostly mandatory) ECTS credits. These courses are also the key to developing generic and transfer skills of doctoral students.

Two modules are mandatory (21 ECTS credits, 105 hours of classes), and the student is required to select two of the remaining eight modules (18-20 ECTS credits, 60-85 hours of classes). If a particular module consists of more than three courses, some courses may be mandatory and others may be elective, i.e. if a module is mandatory, then the student is not required to take all of the courses in the module, but only those set down in his or her individual study programme. The student accumulates a total of 36 ECTS credits through the courses. Up to 5% additional ECTS credits (a total of 9 ECTS credits) may be accumulated through classes, by taking individual courses from other modules, other doctoral study programmes in Croatia and abroad, or courses offered at specialist study programmes in psychology, if the supervisory committee assesses these to be necessary for completing a particular individual programme. Elective courses account for 50% of the overall study programme.

The two mandatory modules are: *Psychological Methodology* and *Psychometric Theory and Quantitative Methods*. The remaining eight modules have been designed to cover the fundamental fields of psychology, such as: *personality psychology, social psychology, neuroscience, cognitive psychology, developmental psychology, educational psychology, clinical and health psychology, and work and organizational psychology*.

Each student is required to accumulate a total of 180 ECTS credits by the end of the doctoral study programme. 21 ECTS credits are to be accumulated through mandatory modules and 18-20 ECTS credits through elective modules. The remaining ECTS credits are accumulated by completing the doctoral dissertation (45 ECTS credits), writing mandatory research papers, taking an exam in research methodology, drawing up and defending a research proposal (24 ECTS credits), through mandatory individual tutorials (a minimum of 9 ECTS credits in the whole programme), mandatory research activities (a minimum of 14 ECTS credits) and mandatory participation in teaching (a minimum of 2 and a maximum of 4 ECTS credits). The remaining credit points may be accumulated through various research, professional and teaching activities (between 43 and 47 ECTS credits).

In addition to credits accumulated through classes and the doctoral dissertation, ECTS credit points may be obtained through one of the following activities:

Activity	Mandatory/elective	ECTS
Writing a research paper – a review article in the field related to the topic of doctoral dissertation (by the end of the 2 nd semester, written to the standard of a journal article)	mandatory	6
Writing a research paper on the methodology of the field covered by the doctoral dissertation (by the end of the 3 rd semester)	mandatory	5
Drawing up a research proposal (by the end of the 3 rd semester)	mandatory	4
Presenting the research proposal to peers and defending it before a committee (by the end of the 3 rd semester)	mandatory	4
Preparing a doctoral dissertation proposal for the Ethics Committee	mandatory	1
Passing the exam in research methodology of the specific field of research (doctoral exam)	mandatory	5



Individual tutorials with supervisor/members of the committee	mandatory	5 hours = 1 ECTS, 3 ECTS credits required per year
Presenting one's own research work to doctoral students and instructors	mandatory	a minimum of 4 ECTS credits
Publishing a research paper	mandatory	a minimum of 10 ECTS credits
Presenting at a conference	mandatory	a minimum of 5 ECTS credits
Participating in teaching	mandatory	participating in teaching carries a minimum of 2 ECTS credits (participating in teaching exercises/seminars or other types of classes), and a maximum of 4 ECTS credits in the entire programme (for example, independent teaching of an elective course)
Total of additional mandatory ECTS credits		(55-57)
Presenting at a conference	elective	5 domestic/6 international
Publishing an independent review article	elective	10 (domestic), 12 (international)
Publishing an independent research paper in a journal/book	elective	14 (domestic), 16 (international)
Publishing a co-authored research paper in a journal/book	elective	8 (domestic), 10 (international)
Presenting one's own research at a seminar for members of the Department and fellow students	elective	4
Holding a public lecture on a topic related to the individual doctoral study programme	elective	4
Participating in a training school, course etc., relevant to the doctoral programme	elective	6-15 (a minimum of 5 days)
Assisting in teaching	elective	2-4 ECTS credits
Electing additional courses from this or other programmes	elective	a maximum of 9 ECTS credits
Total of additional elective ECTS credits		(62-80)

4.3 Describe the ways that the study programme ensures the training of doctoral students for independent, research-based and interdisciplinary approach to problems, for independent research, and for a critical evaluation of the work of others.

As noted in the previous section, besides the courses that doctoral students in psychology need to pass, doctoral education also includes intensive research work, as well as the students' involvement in research projects of the Department of Psychology and partner institutions in Zagreb and/or at other universities. Individual programmes for each doctoral student, made in cooperation with the student's supervisor and supervisory committee, includes the doctoral student's research activity which is fully adapted to his or her



needs and research interests. Evaluation of this activity is also a part of the individual doctoral study programme, making it a mandatory part of doctoral education. Apart from writing a doctoral dissertation and publishing research papers, research activity includes participating in research conferences, presenting one's research before a supervisory committee and other doctoral students, and other forms of activity determined by an individual study programme. Intensive tutorials provide the students with the skill to critically examine the procedures used, while presenting parts of doctoral research before the supervisory committee and other doctoral students enables critical thinking and exchange of experience among students at different levels of the doctoral study programme. This form of studying, along with discussion groups organized within classes and other activities of the doctoral study programme, allows students to develop skills of presenting and critically evaluating research results, receiving and giving feedback in a peer environment, as well as critical analysis and evaluation of their own work and the work of others.

4.4 Describe the ways that the study programme allows doctoral students to acquire job competences, including generic and transferable skills, which increase their future employability.

Postgraduate Doctoral Study Programme in psychology enables doctoral students to acquire highly specialized knowledge, which prepares them to perform even the most complex tasks, primarily within the research process. Two modules designed primarily for adoption of generic skills provide doctoral students with specialized methodological knowledge and skills. These modules are: *Psychological Methodology* and *Psychometric Theory and Quantitative Methods*. Each of them consists of five courses that are either mandatory or elective. Knowledge and skills gained in these courses put the doctoral students to a competitive advantage in applying for those jobs in the labour market that require the highest level of methodological research training. Within the *Psychological Methodology* module, such courses are: *Qualitative Methodology*, *Action Research*, *Meta-analysis*, *Complex Experimental Designs and Data Analysis*, and *Statistical Hypothesis Testing*, and within the *Psychometric Theory and Quantitative Methods* module the courses are: *Structural Equation Modelling Methodology*, *Longitudinal and Causal Latent Variable Models*, *Factor Analysis: Confirmatory Models*, *Multivariate Methods*, and *Modern Test Theory Approaches: Models and Applications*. Specific methodological knowledge on human development research is also provided, within the *Contemporary Developmental Research Theory and Methodology* course.

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A variety of activities within general and individualized parts of the doctoral study programme enable doctoral students to adopt, develop and improve generic competencies in analysis and synthesis and to acquire information management skills (through research activity), to adopt highly specialized professional knowledge (through mandatory and elective courses), to develop the ability of planning and time management (through designing an individual plan of study, its implementation and performance evaluation), the ability to create new ideas, work independently and design projects (through research performed for the doctoral dissertation and other projects in which the student participates), the skill of communicating research information in their area of expertise to their peers and broader research community (participating in discussion groups, seminars, presentations of research results, participating in research conferences and writing research papers), and other generic instrumental and systemic competences. In addition, joint tasks and activities including both teaching staff and doctoral students contribute to the development of doctoral students' interpersonal competences.

Participation of doctoral students in specialized workshops for developing generic and transfer skills, available outside of the doctoral study programme in psychology, for instance at the University of Zagreb or at other universities (e.g. workshops for new supervisors, writing skills workshops, methodological workshops offered by foreign universities, etc.), also encourages acquisition and/or improvement of other generic and transfer skills.

4.5 Describe the ways that doctoral study programme is open to establishing research cooperation with other institutions of higher education, research institutes and private and public sectors.

Until academic year 2012, the Postgraduate Doctoral Study Programme in psychology was the only doctoral programme in psychology in the country that had collaborators from all Croatian universities. These collaborators were or still are involved in the teaching programme as instructors, as supervisors on doctoral dissertations, as members of doctoral dissertation defence committees and/or as members of individual



supervisory committees, within their areas of expertise. Researchers from research institutes in the country, not necessarily psychologists, are also included in the doctoral training of students within the doctoral study programme in psychology, not only in the above mentioned roles but also as leaders of research projects involving doctoral students who work as research assistants.

The doctoral study programme also provides for cooperation with other universities by offering doctoral students a possibility to attend courses within other doctoral and specialist study programmes in the country and abroad.

In addition, researchers from other universities abroad are also involved in the doctoral study programme, mostly as visiting lecturers.

4.6 Requirements for students' advancing to the subsequent year of the study.

During three years of study, students need to accumulate 180 ECTS credits by combining different types of classes and other activities within the programme.

First year of study

In the first year of the programme, the student must accumulate 60 credits, with two mandatory modules (a maximum of 21 ECTS credits) and one elective module (a maximum of 9 ECTS credits). Since mandatory courses are methodological in nature, they will be held in the forms of lecture-based teaching, seminars, small group work, discussion groups on given literature, and practice, depending on prior knowledge and the specific needs of students. The rest of the classes will to a lesser extent be held through lecture-based teaching, but mostly through various independent and interactive forms of teaching, discussions and peer learning.

Before enrolling in the study programme, students choose their supervisors according to their research interests and availability of instructors. After admitting the student to the doctoral study programme, his or her supervisor needs to be confirmed by the Council for Postgraduate Study Programmes. Any university instructor of psychology teaching within a postgraduate study programme in psychology, can be appointed as supervisor. Following the appointment of a supervisor, each student is also appointed a three-member supervisory committee. The respective committee is made up of instructors from the doctoral study programme and/or researchers from other institutions, whose research work is closely related to research interests of the student and who are able to participate in the student's tutorials to the greatest extent possible.

To ensure the quality of doctoral dissertations, the study also offers the possibility of joint supervision, when necessary (for example in cases of interdisciplinary research, research conducted at several institutions, etc.). In such cases, the other supervisor also has to be a collaborator within a postgraduate study programme in psychology.

An individual programme of study is designed for each student in cooperation with his or her supervisor and the supervisory committee: a teaching programme is defined by the end of the 1st semester (mandatory and elective courses that the student will take), and a research programme by the end of the 2nd semester. Individual study programmes must be approved by the Council for Postgraduate Study Programmes.

Other student requirements during the first year are:

- Writing a review paper on a topic related to the doctoral dissertation (written to the standard of a journal article): 6 ECTS credits
- Individual consultation with the supervisor, at least 15 hours (3 ECTS credits)
- Other credit points (21 ECTS credits) can be obtained through optional activities (by taking additional elective courses carrying up to 9 ECTS credits or otherwise).

To enrol in the second year of study the student must accumulate a minimum of 45 ECTS credits. The remaining 15 ECTS credits must then be obtained by the end of the second year of study.



Second year of study

In the second year of study, students also need to accumulate 60 ECTS credits. 9-11 ECTS credits are obtained by enrolling in one elective module (the entire module or its parts), defined by the individual study programme or recommended by the supervisor and supervisory committee. It is even possible to enrol in more than one elective module, but by doing so the student cannot obtain more than 9 additional ECTS credits.

Other student requirements in the second year of study are:

- Writing a research paper on the methodology of the field covered by the doctoral dissertation (by the beginning of 3rd semester) (5 ECTS credits)
- Writing a research proposal (by the beginning of 3rd semester) (4 ECTS credits)
- Presenting the research proposal before peers and defending it before a committee (during the 3rd semester) (4 ECTS credits)
- After successfully defending the research proposal, the student submits the research topic to the Ethics Committee of the Department of Psychology (1 ECTS credit). Upon getting the Ethics Committee approval, the student (in agreement with his or her supervisor and members of the supervisory committee) submits the doctoral dissertation topic to the Council for Postgraduate Study Programmes, which then proceeds with further processing. According to the Regulations on Doctoral Studies, the topic of the doctoral dissertation must be approved by the Senate during the 4th semester.
- Individual consultation with the supervisor, at least 15 hours (3 ECTS credits)
- Other credit points (34-36 ECTS credits) can be obtained through optional activities in accordance with the student's individual study programme (by taking additional elective courses carrying up to 9 ECTS credits or otherwise).

To enrol in the third year of study the student must accumulate a minimum of 95 ECTS credits.

Third year of study

In the third year of study, students again need to accumulate 60 ECTS credits. Most of the credit points obtained for their work on the doctoral dissertation, a total of 45, are expected to be accumulated during this year of study. The remaining 15 ECTS credits may be obtained through optional activities, in accordance with the student's individual study programme.

During the 5th semester, the student takes an exam in methodology of the field covered by the doctoral dissertation (doctoral exam) before the supervisory committee (5 ECTS credits).

Intensive individual tutorials with the supervisor/supervisory committee members are also expected (no less than 3 ECTS credits), as well as at least one presentation of research related to the doctoral dissertation subject before a committee and fellow students (4 ECTS credits). The supervisor and the committee decide whether the student has met the requirements for submitting and defending the doctoral dissertation.

4.7 Requirements for approving the topic of the doctoral dissertation.

The process of submitting the doctoral dissertation topic begins in the 3rd semester, when the student writes a doctoral research proposal, which is followed by presenting and defending the proposal before a committee during the 3rd semester. After successful defence of the proposal, the student submits his or her research plan to the Ethics Committee of the Department of Psychology. Following a positive opinion of the Ethics Committee, the student (in agreement with his or her supervisor and members of the supervisory committee) submits the doctoral dissertation topic to the Council for Postgraduate Study Programmes, which then proceeds it to further processing. The doctoral dissertation evaluation committee is basically the same committee that supervises the student during his/her study. The student's supervisor cannot chair this committee, while one member of the committee must be a so-called external member, i.e. a researcher outside the institution carrying the doctoral study programme. In accordance with the Regulations on Doctoral Studies at the University of Zagreb, the doctoral dissertation topic must be approved by the Senate during the 4th semester.

**4.8 Requirements for completing the study programme.**

The supervisor and supervisory committee decide whether the student has met the requirements (fulfilled all of the obligations in the doctoral study programme) for submitting and defending the doctoral dissertation. The student then submits his or her dissertation for evaluation, along with a written approval of the supervisor and the opinion on the conducted research and original scientific contributions achieved. Upon submitting the dissertation, the doctoral dissertation evaluation committee submits a report to the Council for Postgraduate Doctoral Study Programmes on the candidate's dissertation and proposes its public defence. A mentor cannot also be a member of the doctoral dissertation defence committee, except upon special approval of the Senate at the committee's request (Article 17.4 of the Regulations on Doctoral Studies at the University of Zagreb).

Doctoral dissertation defence is public and performed before members of the doctoral dissertation defence committee. This committee may or may not be the same as the doctoral dissertation evaluation committee. The committee is re-elected (or re-confirmed) after submitting of the doctoral dissertation. The dissertation is submitted in (at least) three unbound copies. If the doctoral dissertation evaluation or defence committee consists of more than three members, the dissertation is submitted in as many copies. The supervisor cannot be a member of the evaluation committee, nor can he/she participate in evaluation of the dissertation defence. The evaluation of the dissertation is written in the form of a report, and is forwarded to the Council for Postgraduate Study Programmes in Psychology and the Faculty Council for adoption. Upon acceptance of the evaluation of the doctoral dissertation, the student approaches a public defence. The committee then decides whether the student has successfully defended his or her doctoral dissertation. The doctoral dissertation can be defended only once.

4.9 List of courses (add rows if necessary)

Name and surname	Title
Mandatory methodology courses	
Dean Ajduković, PhD	Qualitative methodology
Dragutin Ivanec, PhD	Complex experimental research design and data analysis
Dragutin Ivanec, PhD	Testing statistical hypotheses
Vesna Buško, PhD	Structural equation modelling methodology
Vesna Buško, PhD	Factor analysis: confirmatory models
Vesna Buško, PhD	Multivariate methods
Elective methodology courses	
Dean Ajduković, PhD	Action research
Vladimir Kolesarić, PhD	Meta-analysis
Vesna Buško, PhD	Longitudinal and causal latent variable models
Damir Ljubotina, PhD	Modern test theory approaches: Models and applications
Elective courses	
Cognitive psychology module	
Dragutin Ivanec, PhD	Modern approaches in placebo effect research
Andrea Vranić, PhD	Consciousness, attention and memory
Predrag Zarevski, PhD	Metacognition and intelligence
Personality psychology module	
Denis Bratko, PhD	Genetics and personality
Denis Bratko, PhD	Personality and intellectual competence
Ana Butković, PhD	Personality and arts
Iris Marušić, PhD	Cross-cultural studies of personality
Social psychology module	
Dean Ajduković, PhD	Community social reconstruction
Dinka Čorkalo Biruški, PhD	The individual and social change
Dinka Čorkalo Biruški, PhD	In-group loyalty and nationalism



Željka Kamenov, PhD	Cognitive social psychology
Željka Kamenov, PhD	Research approaches to close relationships
	Educational psychology module
Boris Jokić, PhD Zrinka Ristić Dedić, PhD	Research and development of the evaluation system in education
Vlasta Vizek-Vidović, PhD	Modern approaches to research of motivation for learning
Vesna Vlahović-Štetić, PhD	Cognitive models of learning and the education system
	Neuroscience module
Ivana Hromatko, PhD	Behavioural endocrinology
Meri Tadinac, PhD	Neurotransmitter systems
Meri Tadinac, PhD	Functional organization of the brain
Meri Tadinac, PhD	Evolution of the nervous system and behaviour
	Developmental psychology module
Gordana Keresteš, PhD	Modern theories and methods in the study of human development
Gordana Keresteš, PhD š	Family as a context of development
Gordana Kuterovac Jagodić, PhD	Developmental risks, resilience and psychopathology
Katica Lacković-Grgin, PhD	Recent insights in the psychology of adulthood and aging
Marta Ljubešić, PhD	Recent insights in the psychology of childhood and adolescence
	Work psychology module
Zvonmir Galić, PhD	Personality and work behaviour
Željko Jerneiće, PhD	Predicting work behaviour and work performance
Darja Maslić Seršić, PhD	Work and mental health
	Clinical and health psychology module
Nataša Jokić-Begić, PhD	Specific features of methodology in clinical research
Nataša Jokić-Begić, PhD	Integrative approach to the origin of mental disorders
Anita Lauri Korajlija, PhD	Modern psychological approaches to health and disease

Note: prepare and at the request of the Committee submit detailed information for each course according to **Table 3** at the bottom of the report

4.10 Possibility of implementing the doctoral programme in English.

In principle, all proposed courses of the doctoral study programme in psychology can be taught in English. The decision on holding certain classes in English is up to the Council for Postgraduate Study Programmes, based on the admittance of candidates who cannot follow classes in Croatian. Some parts of the doctoral study programme are in any case being taught in English, if they involve a visiting lecturer from abroad.

4.11 List of courses/modules that can be offered in English.

In principle, all proposed courses of the doctoral study programme in psychology can be taught in English. The decision on holding certain classes in English is up to the Council for Postgraduate Study Programmes, based on the admittance of candidates who cannot follow classes in Croatian. The courses are listed in section 4.9 of this Report.

4.12 Criteria and requirements for enrolling in courses/modules from other doctoral studies.

A student may obtain up to 9 ECTS credits by enrolling in classes/modules in other postgraduate doctoral or specialist study programmes in the country or abroad, but only after submitting a written request to his or her supervisor for attending each course, along with the course syllabus, a description of how the course will contribute to the individual study programme, and a list of requirements for completing the course. The supervisor will, in agreement with the supervisory committee, reply to the student's request, weigh the



equivalency of credit points based on the time spent in the learning process, and submit a written opinion to the Council for Postgraduate Study Programmes.

4.13 Organization of full-time and part-time study programmes.

Full-time students with a Master’s degree or Professor of Psychology/Graduated Psychologist degree attend a three-year doctoral study programme. It is expected that most full-time students will be research assistants from academic institutions and research institutes. The duration of the study programme for research assistants may be even longer, but not longer than five (5) years. Requests to extend the period of study can be referred to the Council for Postgraduate Study Programmes, and will be dealt with individually.

Full-time students with a Master’s degree in other fields attend a four-year doctoral study programme which includes the preparatory year to take the required additional exam).

Full-time students with a Master’s degree in psychology can attend a shorter doctoral study programme, in the duration of no less than one year; i.e., two previously completed years of a postgraduate scientific programme can be credited in the doctoral study programme. Full-time students with a Specialist degree can also attend the doctoral study programme shorter than three years, depending on the programme previously completed and any other research achievements. Such cases will be assessed on an individual basis, and additional admission requirements may be defined based on a recommendation of the Council for Postgraduate Study Programmes.

For part-time students the programme may take twice as long, but no longer than seven years. These students attend a five-year doctoral study programme, but have the option to submit a written request for extending the period of study to no more than seven years. Upon expiration of the seven-year period, additional requirements may be set down in order for the student to complete the programme.

Full-time students can choose to transfer to part-time study programme, but only before they enrol in the 3rd semester of their study.

Eight years after enrolment in the study programme, the doctoral student loses the right to defend his/her doctoral dissertation.

4.14 The cost of study programme (per doctoral candidate).

10,500 kunas per semester

5. Compliance with the Regulations on doctoral studies at the University of Zagreb

Article	Yes	No
Are teaching and research on doctoral study programme in accordance with Article 5?	x	
Are the conditions for the enrolment and the duration of the study in accordance with Article 6?	x	
Are the supervision and the supervisor’s obligations in accordance with Article 9 and 10?	x	
Does the supervisor submit annual report in accordance with Article 10?	x ²	
Are the rights and obligations of the doctoral candidate in accordance with Article 11?	x	
Does the doctoral candidate submit report to the Doctoral study council once per year on his work (with possible presentation of research), in accordance with Article 11?	x ³	
Is the dissertation defined in accordance with Article 13, 14, and 15?	x	

² Although the report is not submitted using the University's form, it is an integral part of an individual programme for the monitoring of each doctoral candidate. In case of any inconsistencies between planned and achieved programmes, the doctoral student, in agreement with his or her supervisor and supervisory committee, submits a written request for the modification of the programme to the Council for Postgraduate Study Programmes, in order to make up for the obligations that have not been fulfilled.

³ See Footnote 4.



University of Zagreb

Report for periodical internal evaluation of doctoral study programmes

Is the process of application, assessment and approval of doctoral research topic in accordance with Article 16?	x	
Is the process of doctoral research topic defence in accordance with Article 17 and 19?	x	
Is the process of dissertation defence in accordance with Article 18 and 19?	x	
Does the Doctoral study council keeps detailed records on the research work performed and other study obligations of each doctoral candidate, including an obligations plan (the making of the doctoral candidate portfolio) in accordance with Article 22?	x	
Does the Doctoral study council keeps track on the load and performance of each supervisor, number of doctoral candidates enrolled and the number of doctoral candidates who have defended their doctoral thesis, in accordance with Article 22?	x	
Does the Doctoral study council performs a self-evaluation each year on the basis of the annual reports of mentors and doctoral candidates, in which regard it presents a report on its work to the Council of the constituent part and the University, using a University form, in accordance with Article 22?	x ⁴	

Place and date:

Zagreb, June 30th, 2013

Authorised person:

Full professor Dinka Čorkalo Biruški, PhD

⁴ Although the report is not submitted using the University's form, self-evaluations are performed through students' anonymous evaluations of the courses. The professor in charge of the study programme receives these evaluations, reviews them, makes a joint evaluation of the study programme, and submits a written report to course lecturers and coordinators of other activities, as well as to the Council for Postgraduate Study Programmes. Self-evaluation of the programme is also performed through a specially designed survey conducted among all generations of doctoral students, involving all aspects of the study programme (teaching, research, organization, administration). This survey has been presented to the Council for Postgraduate Study Programmes, and offered as an evaluation model to other doctoral study programmes at the Faculty of Humanities and Social Sciences.