

University of Zagreb
Faculty of Science
Zagreb, Horvatovac 102a
issues

CALL FOR APPLICATIONS

for enrolment in doctoral studies in *Biology, Physics, Geology, Chemistry, Mathematics, Interdisciplinary doctoral study in Oceanology, and Doctoral Study in Geography: Space, Region, Environment, Landscape*, for the acquisition of academic degree of PhD in the academic year **2023/2024**

Terms used in this Call that have gender designation, regardless of whether they are used in a male or female form, designate equally male and female gender.

Doctoral studies last for three years, taking place in accordance with the general acts of the University of Zagreb and the University of Zagreb Faculty of Science, and in accordance with the accredited study programs.

1) Applicants achieve the right to enrolment under certain conditions, namely:

- **in the doctoral study in *Biology***, applicants who have acquired a degree of the graduate university study in Biology at the Faculty of Science, or other equivalent graduate university study, with the grade point average of at least 3.50
- **in the doctoral study in *Physics***, applicants who have acquired a degree in engineer/research-oriented graduate university study in Physics at the Faculty of Science **in major modules: 1) elementary particle physics, 2) nuclear physics, 3) astrophysics, 4) atomic and molecular physics, 5) physics of condensed matter, 5) biophysics, 7) medical physics**, or other equivalent graduate university study, with the grade point average of at least 3.50
- **in the doctoral study in *Geology***, applicants who have acquired a degree of graduate university study in Geology at the Faculty of Science, or other equivalent university graduate university study, with the grade point average of at least 3.50
- **in the Doctoral Study in *Geography: Space, Region, Environment, Landscape***, applicants who have acquired a degree of completed graduate university study in Geography, or an integrated five-year university study in Geography (double major), or other equivalent graduate university study, with the grade point average of at least 3.50 (in total and individually in undergraduate and graduate studies). The applicants who have completed a graduate university study cannot achieve the right to enrolment if they have not previously obtained an undergraduate university degree.
- **in the doctoral study in *Chemistry***, applicants who have acquired a degree of the graduate university study in Chemistry or Molecular Biology at the Faculty of Science, or other equivalent graduate university study, with the grade point average of at least 3.50
- **in the doctoral study: *Interdisciplinary doctoral study in Oceanology***, applicants who have acquired a degree of completed (under)graduate university study in Biology, Physics, Geophysics, Geology, Geography, Chemistry and Mathematics at the Faculty of Science, or other equivalent graduate university study, with the grade point average of at least 3.50
- **in the doctoral study in *Mathematics***, applicants who have acquired a degree of completed graduate university study in Mathematics at the Faculty of Science, or other equivalent graduate university study, with the grade point average of at least 3.50.

2) The right to enrolment in all the studies referred to in clause 1 of this Call, except doctoral studies in *Biology* and ***Interdisciplinary doctoral study in Oceanology*** may also acquire applicants with the grade point average lower than 3.5, but not lower than 3.0. These applicants should enclose a reasoned and well-documented request, and two letters of recommendation. Applications will be evaluated by an authorized department committee. To enrol in the *Doctoral Study in Geography: Space, Region, Environment, Landscape*, the applicant is obliged to submit a detailed explanation by the potential mentor. The written explanation, together with the required annexes, shall be submitted with the application for the Call.

3) The right to enrolment in the studies referred to in clause 1 of this Call may also be achieved by applicants who have completed their postgraduate study and acquired the Master of Science degree in the relevant field, in a manner and in accordance with a specific decision of the related Department Council of the Faculty of Science.

4) The applicants with completed graduate university studies that do not entirely correspond with enrolment requirements for the doctoral study in accordance with clause 1 of the Call, may enrol in doctoral study with the assignment of supplemental courses according to the curricula of the corresponding graduate university studies of the Faculty of Science, thus achieving appropriate number of ECTS credits. ECTS credits achieved by taking supplemental graduate university courses do not fall into the doctoral studies credit system.

5) The doctoral study costs (tuition fees) are determined for each academic year separately and are as follows:

for the doctoral study in *Biology*:

1 st year	2654,46 EURO / HRK 20 000
2 nd year	1990,84 EURO / HRK 15 000
3 rd year	1327,23 EURO / HRK 10 000

for the doctoral study in *Physics*:

1 st year	1061,78 EURO / HRK 8 000
2 nd year	1061,78 EURO / HRK 8 000
3 rd year	1061,78 EURO / HRK 8 000

for doctoral studies in *Geology, Chemistry, Interdisciplinary Doctoral Study in Oceanology*:

1 st year	1600 EURO / HRK 12 055,20
2 nd year	1350 EURO / HRK 10 171,58
3 rd year	1100 EURO / HRK 8 287,95

for *Doctoral Study in Geography: Space, Region, Environment, Landscape*:

1 st year	1600 EURO / HRK 12 055,20
2 nd year	950 EURO / HRK 7 157,78
3 rd year	700 EURO / HRK 5 274,15

for the doctoral study in *Mathematics*:

1 st year	2650 EURO / HRK 19 966,43
2 nd year	2650 EURO / HRK 19 966,43
3 rd year	2650 EURO / HRK 19 966,43

6) The doctoral study costs as referred to in clause 5 of this Call include the doctoral study administration and teaching costs, but not the doctoral thesis research cost.

7) Students are required to pay the costs as referred to in clause 5 of this Call and submit proof of payment to the authorized Doctoral Study Office no later than 15 days from the day of enrolment in the academic year, i.e. when regulating their status for each subsequent academic year (reenrolment of the same or enrolling in more years of study), all in the manner and accordance with a special agreement on the regulation of rights and obligations between the student and the Faculty of Science. Without the proof of payment, the student cannot enrol or validate a year of study.

8) A student may be exempt from paying part or all of the doctoral study costs referred to in clause 5 of this Call in the manner and under the conditions determined by a special decision of the Faculty Council of the Faculty of Science.

9) Together with the application for the Call, via the form that can be found at the Faculty of Science website (<http://www.pmf.unizg.hr/>), the applicant is required to enclose:

- CV
- degree certificate (diploma) of completed graduate university study (certified transcript or certified photocopy of the degree certificate, or certified certificate of completion of study) or, in the event that the applicant has not yet graduated but has passed all his/her graduate university study program exams, the grade transcript of all exams and the written mentor's statement that the applicant's graduate thesis is in its final stage.
- certified copy of the citizenship certificate or e-citizenship certificate (for Croatian citizens), or a document from which citizenship is visible (for foreign nationals)
- certified grade transcript with a calculated grade point average (certificate with a transcript of all grades achieved at the undergraduate and graduate university study level, with a calculated grade point average); if in the enclosed grade transcript the Croatian grading scale is not used, it is necessary to indicate correspondence to the ECTS grading scale (A, B, C, D, E, F)
- decision on the recognition of foreign higher education qualifications (for applicants who have completed university studies abroad)
- certificate of knowledge of English language, or certificate of knowledge of Croatian language (for foreign nationals)
- consent of the scientific institution in which the applicant intends to produce a doctoral thesis (only for doctoral studies in *Biology, Geology, Chemistry, and the Interdisciplinary Doctoral Study in Oceanology*, while for other studies no prior consent is required)

- if any, evidence of prior scientific and expert work (offprints of scientific and expert papers and conference reports)

Additional documents that should be submitted for *Biology* and *Chemistry* doctoral studies are:

- Letters of recommendations of the mentor of the graduate (Master's, for mr. sc.) thesis, and a potential mentor of the doctoral thesis
 - a short proposal of research that would be carried out within the framework of the doctoral thesis, signed by a potential mentor
- The additional document that shall be submitted for the *Doctoral study in Geography: Space, Region, Environment, Landscape*, and *Interdisciplinary Doctoral Study in Oceanology* is a written letter of consent of a potential mentor.

The additional documents that shall be submitted for the doctoral study in *Geology* is a letter of motivation of the applicant and a letter of consent of a potential mentor with a short research proposal that would be carried out as a part of the preparation of the doctoral thesis. For the doctoral study in *Physics*, priority will be given to candidates who will enclose the letter of recommendation of a potential mentor of the doctoral thesis.

10) Applications for the Call, together with all annexes, will be evaluated by the authorized Doctoral Study Council. The decisions on enrolment in doctoral studies are made by the of the Faculty Department Councils based of the opinions of the Doctoral Study Councils, made after the interview with the applicants, after evaluating the success at the prior undergraduate and graduate university study, the applicant's motivation for scientific work, and the adequacy of the applicant's field of research with the doctoral study program.

Assessment of the applicants for the enrolment in the *Doctoral study in Geography: Space, Region, Environment, Landscape* additionally includes the evaluation of:

- prior scientific and professional work, evaluated via certain criteria of different weights, of which at least one must be satisfied. **The criteria's are:** published reviewed scientific paper, Rector's award, published reviewed professional work, active participation at a scientific conference, active participation at a professional conference, participation in a scientific project, participation in a geographically relevant professional project.
- written elaboration of the scientific research topic proposal (research) within the doctoral study (carried out after applying for the Call by candidates who have met the mandatory requirements).

Incomplete applications, due to the lack of required annexes, will not be considered.

11) Deadline for the submission of application for doctoral studies in *Biology, Geology, Interdisciplinary Doctoral Study in Oceanology, Chemistry, Physics, and the Doctoral Study efin Geography: Space, Region, Environment, Landscape* is 8-September 8, 2023. Applications should be submitted as follows:

- for the doctoral study in *Biology*, by e-mail to pdsbiol.prijave@biol.pmf.hr or by post to: Biološki odsjek PMF-a, Referada za doktorski studij, Ravnice 48, 10000 Zagreb
- for the doctoral studies in *Geology* and *Interdisciplinary Doctoral Study in Oceanology*, by email to doktorskistudij@geol.pmf.hr or by post to: Geološki odsjek PMF-a, Referada za doktorske studije, Horvatovac 102a, 10000 Zagreb
- for *Doctoral Study efin Geography: Space, Region, Environment, Landscape*, by email to upis_pds@geog.pmf.unizg.hr or by post to: Geografski odsjek PMF-a, Referada za doktorski studij, Marulićev trg 19, 10000 Zagreb
- for the doctoral study in *Chemistry*, by e-mail to pdschem.prijave@chem.pmf.hr address or by post to: Kemijski odsjek PMF-a, Referada za doktorski studij, Horvatovac 102a, 10000 Zagreb;
- for the doctoral study in *Physics*, by e-mail to doktfiz@phy.hr or by post to: Fizički odsjek PMF-a, Referada za doktorski studij, Bijenička cesta 32, 10000 Zagreb;

Deadline for the submission of application for the doctoral study in *Mathematics* is 6-October 6, 2023. Applications should be submitted by e-mail to doktorski@math.hr or by post to the address: Matematički odsjek PMF-a, Referada za doktorski studij, Bijenička cesta 30, 10000 Zagreb.

12) The Call for Applications results will be published at the Faculty of Science website, i.e. websites of the Faculty departments, using the identification marks to be assigned to the applicants when submitting the application for the Call. The published results will be removed from the website of the Faculty of Science and its departments upon the end of the enrolment process based on the Call in question.