

No. 3140 (2)

Approval of the Doctoral Studies Regulation of the Department of Mathematics and Applied Mathematics

Senate of the University of Crete (Regular meeting no. 384 / 08-03-2018)

This document is an unofficial English translation of the decision published in the Government Gazette (Issue B, no. 1118, 27 March 2018), starting from the heading “No. 3140 (2)”. In case of any discrepancy, the Greek original prevails.

Having regard to:

1. Presidential Decree 296/1973 (Government Gazette 239/A/1973) on the title and seat of the University founded in Crete; Legislative Decree 114/1974 (310/A/1974) amending and supplementing Legislative Decree 87/1973 (159/A/1973) “on the establishment of Universities in Thrace and Crete” and extending certain provisions thereof to all HEIs; Law 259/1976 (25/A/1976) amending and supplementing the applicable provisions concerning the Universities of Thrace and Crete; Presidential Decree 103/1983 (48/A/15.04.1983) on the autonomous operation of the University of Crete; and the remaining legislation concerning the University of Crete.
2. Law 4009/2011 (Government Gazette 195/A/06.09.2011) “Structure, operation, quality assurance of studies and internationalization of higher education institutions”, as in force.
3. Government Gazette (YODD) 82/18-02-2016 and the ascertainment act no. 31460/Z1/23-02-2016 (ADA: ΨΠΙ24653ΠΣ-Y1K) of the Alternate Minister of Education, Research and Religious Affairs, establishing that Professor Odysseas Zoras has been elected Rector of the University of Crete.
4. Act of constitution of the Senate no. 17070/01-12-2017 (ADA: 9ΙΖΔ469Β7Γ-ΟΕΑ), dated 01-12-2017, pursuant to Law 4485/2017 (114/A/04-08-2017) for academic year 2017-2018, as in force.
5. Law 3861/2010 (112/A/2010) on strengthening transparency through the mandatory online posting of laws and acts (“Diavgeia”), as amended and in force by Law 4210/2013 (254/A/21.11.2013), as well as the implementing decision no. ΥΠΟΙΚ Δ6 1127865/ΕΞ2010/30-09-2010.
6. Articles 13(2)(ιε) in conjunction with 31(1)(α), 45(2), and 85(6)(β) of Law 4485/2017.
7. Document no. 2583/06-03-2018 of the Deputy Secretary of the Department of Mathematics and Applied Mathematics of the University of Crete, Ms. Aikaterini Papadoulaki.
8. Extract of minutes of the Department Assembly of the Department of Mathematics and Applied Mathematics, meeting no. 121 / 14-02-2018, concerning the present matter.
9. The fact that this decision does not cause expenditure to the State Budget.

decides and approves:

The Doctoral Studies Regulation of the Department of Mathematics and Applied Mathematics, as submitted to the Senate of the University of Crete, as follows:

Article 1 — Doctoral Studies Programme

1.1 The Department of Mathematics and Applied Mathematics (D.M.A.M.) of the University of Crete organizes and operates a Doctoral Studies Programme in Mathematics and Applied Mathematics (the “Programme”), which is a Third-Cycle programme of studies.

1.2 Third-Cycle studies are organized in accordance with Law 4485/2017 and are attended only by doctoral candidates of the D.M.A.M.

1.3 The purpose of the Programme is to contribute to the formation of high-level scientists, holders of the Doctoral Diploma (PhD), capable of contributing to the advancement of research, technology and education in the field of the Mathematical Sciences.

1.4 Studies in the Programme are free of charge, without the imposition of fees or tuition.

1.5 The Department aims to provide equal opportunities in education and training and, in particular, ensures equal opportunities for admission to and completion of studies within the Programme, without discrimination.

1.6 For the organization of a doctoral programme in collaboration with other institutions, a Special Cooperation Protocol and a corresponding doctoral regulation are drawn up in accordance with Article 43(3) of Law 4485/2017.

1.7 The Rector’s Council of the University of Crete is responsible for compliance with the law regarding the conduct of doctoral dissertations.

1.8 This Doctoral Studies Regulation was drafted by decision of the Department Assembly and approved by the Senate, as provided in Article 45(2) of Law 4485/2017.

Article 2 — Doctoral Studies Committee

2.1 The Doctoral Studies Committee (D.S.C.), together with its Coordinator, is appointed by the Chair of the Department pursuant to Article 23(11)(η) of Law 4485/2017. The composition of the D.S.C. is announced by the Chair to the Department Assembly and is posted on the Department’s official website. The term of office of the D.S.C. may be for a fixed period; however, it expires automatically upon the end of the term of office of the Chair of the Department.

2.2 Any reconstitution of the D.S.C. is always made by decision of the Chair of the Department.

2.3 The D.S.C. consists of faculty members of the Department and must include members from all Department divisions/areas. The D.S.C. submits proposals to the Department Assembly on any matter relating to the conduct of doctoral dissertations within the Programme and exercises any competence assigned to it by the Department Assembly, the Chair of the Department, and this Doctoral Studies Regulation.

Article 3 — Secretariat Support

The Programme is supported by the Head of the Department Secretariat or by a member of the Secretariat staff.

Article 4 — Application Submission Procedure

4.1 A call for applications for Doctoral Candidate positions is issued by decision of the Department Assembly. The call is published in the daily press and posted on the official websites of the Department and the University of Crete. The call specifies all details regarding submission of applications to the Department Secretariat.

4.2 Each application for a Doctoral Candidate position is submitted to the Department Secretariat following a call by the Department and within the prescribed deadline. The application follows the template in Appendix A and includes: (a) full name; (b) place and date of birth; (c) nationality; (d) national ID number or passport number (valid for the next 12 months); (e) research interests or the scientific area of the dissertation; (f) the proposed dissertation title in Greek and in English; and (g) the proposed Supervisor, who must be a faculty member of the Department in one of the top three academic ranks. The following are submitted with the application: (i) detailed CV; (ii) dissertation proposal/draft plan; (iii) copy of the undergraduate degree and transcript; (iv) copy of the postgraduate degree and transcript; (v) copy of the Master's thesis, if required by the call; (vi) copies of research papers, if required by the call; (vii) certificates of Greek or English language knowledge, if required; (viii) names of academics willing to write a letter of recommendation, if required; and (ix) any other items required by the call. Degrees from abroad must be accompanied by equivalence decisions issued by DOATAP. Recommendation letters are sent electronically by the referees directly to the Department Secretariat within the deadline. Recommendation letters are confidential and are not disclosed by the Department in any case, either before or after possible admission.

4.3 Eligibility to apply for a Doctoral Candidate position is granted to holders of: (a) a degree from a Greek HEI or a degree recognized as equivalent from abroad, and (b) a Master's Degree of Specialization (M.Sc.) from a Greek HEI or a recognized equivalent from abroad, or an integrated and uninterrupted postgraduate-level qualification under Article 46 of Law 4485/2017, in Mathematics, Applied Mathematics or a related discipline.

4.4 Eligibility is also granted to holders of an undergraduate degree (Greek HEI or recognized equivalent) who are active postgraduate students in a Master's Programme in Mathematics, Applied Mathematics or a related discipline, provided they have successfully completed coursework of total weight at least 60 ECTS within that Master's Programme.

4.5 In addition, holders of a five-year diploma from a Greek Polytechnic School (or a recognized equivalent from abroad) are also eligible.

4.6 For applicants whose undergraduate and postgraduate degrees are from foreign HEIs and have not yet received DOATAP equivalence decisions, the application must include a copy of the DOATAP application for recognition of both degrees. Conferral of the PhD and award of the Doctoral Diploma presuppose prior recognition of the degrees by DOATAP.

Article 5 — Scientific Fields and Subfields

Field 1: Analysis — Subfield 1.1 Real Analysis; Subfield 1.2 Complex Analysis; Subfield 1.3 Functional Analysis.

Field 2: Algebra — Subfield 2.1 Algebra I; Subfield 2.2 Algebra II.

Field 3: Geometry — Subfield 3.1 Riemannian Geometry; Subfield 3.2 Differentiable Manifolds.

Field 4: Differential Equations — Subfield 4.1 Partial Differential Equations (PDEs); Subfield 4.2 PDEs — Theory of Weak Solutions; Subfield 4.3 Ordinary Differential Equations.

Field 5: Numerical Analysis — Subfield 5.1 Numerical Analysis; Subfield 5.2 Numerical Solution of Differential Equations.

Field 6: Mathematical Modelling — Subfield 6.1 Wave Propagation; Subfield 6.2 Fluid Mechanics; Subfield 6.3 Mathematical Theory of Materials; Subfield 6.4 Classical/Statistical Mechanics.

Field 7: Statistics — Subfield 7.1 Statistics; Subfield 7.2 Probability; Subfield 7.3 Stochastic Processes.

Field 8: Logic — Subfield 8.1 Logic; Subfield 8.2 Set Theory; Subfield 8.3 Computability.

Article 6 — Admission Procedure

6.1 Within one week from submission of the application, the Department Secretariat requests that the proposed Supervisor submit, within a strict deadline of three weeks, a letter stating: (a) that they intend to undertake supervision of the proposed dissertation; and (b) proposing (together with the corresponding syllabus) three examination areas for evaluation of the applicant, consisting of: (i) two core subfields belonging to different fields as described in Article 5; and (ii) one specialized topic (within or outside the table of Article 5), whose syllabus corresponds to at least one postgraduate course and does not overlap with the syllabi of the other two selected subfields. The proposed syllabus, which the applicant must study and understand sufficiently, may include postgraduate course material of the Department and the content of scientific papers, book chapters, or books, which are also submitted to the Department Secretariat. Refusal by the proposed Supervisor to undertake supervision, or failure to submit the letter within the deadline, results in automatic rejection of the application; in this case, the applicant may indicate another proposed Supervisor by submitting a new application.

6.2 After submission of the Supervisor's letter, the Department Assembly, following a recommendation of the D.S.C., approves the examination areas and the corresponding syllabus and appoints a Three-Member Examination Committee (T.M.E.C.) to evaluate the applicant. The T.M.E.C. consists of the proposed Supervisor and two Department faculty members with expertise relevant to the proposed examination areas.

6.3 Within six (6) months from appointment of the T.M.E.C., the applicant is examined in writing or orally by the T.M.E.C. to determine sufficient understanding of the prescribed syllabus. The date, mode and location of the examination are notified in writing to the D.S.C. one week in advance through the Department

Secretariat. The examination is conducted on Department premises with the presence of the candidate and at least two members of the T.M.E.C.

6.4 After completion of the examination, the T.M.E.C. submits to the Department Secretariat a detailed record of the examination result. This must be submitted within two weeks of the examination and within the six-month period of paragraph 6.3.

6.5 The examination is deemed successful upon the concurring opinion of at least two members of the T.M.E.C., one of whom must be the proposed Supervisor.

6.6 In the case of unsatisfactory performance, the applicant has the right to be examined once more, by submitting a relevant application to the Department Secretariat. The overall duration of the procedure from appointment of the T.M.E.C. may not exceed twelve (12) months.

6.7 If it is impossible to meet the above deadlines, the T.M.E.C. must submit a substantiated request for extension to the D.S.C. before the deadline expires; the extension must then be approved by the Department Assembly.

Article 7 — Enrolment in the Programme

7.1 Enrolment in the Programme as a Doctoral Candidate, for the purpose of preparing a doctoral dissertation in the Department, requires: (a) successful examination by the T.M.E.C. as provided in Article 6; (b) possession of an undergraduate degree (Greek HEI or recognized equivalent from abroad); and (c) possession of a Master's degree (Greek HEI or recognized equivalent from abroad) or an integrated and uninterrupted postgraduate-level qualification under Article 46 of Law 4485/2017, in Mathematics, Applied Mathematics or a related discipline.

7.2 Enrolment of candidates who do not yet hold such a Master's degree is possible, following a recommendation of the D.S.C. and a decision of the Department Assembly, under the following conditions: (a) possession of either (i) a five-year Polytechnic diploma (or recognized equivalent), or (ii) a four-year degree from a Greek HEI (or recognized equivalent), and successful completion of coursework of at least 60 ECTS within a Master's Programme in Mathematics, Applied Mathematics or a related discipline; (b) a reasoned academic recommendation by the proposed Supervisor or another Department faculty member concerning the candidate's capacity to conduct research in a specific field and to support the Department as a teaching assistant; and (c) successful examination by the T.M.E.C. as provided in Article 6. In addition, after appointment of the Three-Member Advisory Committee (Article 8), the candidate is obliged—parallel to the dissertation—to successfully complete (grade A or B) postgraduate courses totaling 40 ECTS, which must be compulsory or core courses in one of the directions of the Department's Master's Programmes, and which are determined at the time of appointment of the Advisory Committee. The minimum time for completion of the doctoral dissertation is set at four years, and the successful completion of these courses must occur within those four years. The four-year minimum and the above course requirement cease to apply once the Doctoral Candidate becomes holder of an eligible Master's degree.

Article 8 — Appointment of the Three-Member Advisory Committee

8.1 After successful evaluation of the applicant under Article 6 and subject to the conditions of Article 7 (and without prejudice to paragraph 4.6), the Department Assembly appoints a Three-Member Advisory Committee (A.C.) pursuant to Article 39 of Law 4485/2017, following a recommendation of the D.S.C. and a proposal by the Supervisor. The A.C. supports the preparation and writing of the doctoral dissertation. The Supervisor participates in the A.C. as Supervising Professor.

8.2 From the date of appointment of the A.C., the applicant is considered a Doctoral Candidate of the Programme.

8.3 If it is not feasible for the proposed Supervisor to serve as Supervising Professor, the Department Assembly appoints another Department faculty member (within the top three ranks) as Supervising Professor, following an application by the candidate and a recommendation of the D.S.C.

8.4 For the members of the A.C. and the Doctoral Candidate collectively, the incompatibility due to kinship applies as described in Article 46(11) of Presidential Decree 160 (Government Gazette 220/A/03-11-2008).

8.5 The names of doctoral candidates, the supervising faculty members, the titles of doctoral dissertations in progress and a short summary thereof, as well as the members of the advisory committees, are posted on the Department's website in Greek and English.

Article 9 — Preparation of the Doctoral Dissertation; Duration of Studies

9.1 The minimum duration of doctoral studies is three years from the date of appointment of the A.C., without prejudice to paragraph 7.2. After four years from appointment of the A.C., the duration may be extended by up to two years only by decision of the Department Assembly, provided there is a unanimous recommendation of the A.C. After six (6) years, the Department Assembly decides on suspension of the Doctoral Candidate status or deletion from the Programme. Suspension is lifted upon application by the candidate only for the purpose of dissertation evaluation.

9.2 Each Doctoral Candidate must renew their registration for the current academic year during September.

9.3 At the end of each calendar year from the appointment of the A.C., and within a one-month deadline, the Doctoral Candidate presents orally and submits in writing a detailed memorandum before the A.C. regarding progress. A copy of the memorandum, together with any comments by the Supervising Professor and the A.C., is placed in the candidate's file.

9.4 At the end of each academic year from its appointment, the A.C., in cooperation with the Doctoral Candidate, submits a progress report to the Department Assembly. The Department Assembly, following a recommendation of the D.S.C., assesses whether the candidate's progress is satisfactory. If progress is deemed unsatisfactory, the Department Assembly may decide to terminate the candidate's studies.

9.5 After completion of two years from appointment of the A.C., the Doctoral Candidate must, each year, give at least one lecture related to their research within Department seminars.

9.6 Doctoral Candidates enjoy, for up to five (5) full academic years from their first enrolment, all rights and benefits provided also to second-cycle students. Up to five (5) years after completion of their dissertation, they retain access, borrowing and use rights to the electronic services of the university libraries.

9.7 If the Supervising Professor determines that a member of the A.C. is impeded from fulfilling their obligations, the Supervising Professor submits a sufficiently justified request to the Department Assembly for that member's replacement.

9.8 If the Supervising Professor retires or moves to another Department of the University of Crete or to another HEI or research institution, they continue to serve as Supervising Professor for the dissertations they had undertaken in the Department, and the degree is awarded by the University of Crete.

9.9 If, for any reason, the Supervising Professor ceases to exist or is demonstrably unable to perform supervisory duties for a long period, the Department Assembly, considering the circumstances, appoints another Supervising Professor following an application by the Doctoral Candidate and the consent of the proposed supervisor; otherwise, it appoints as Supervising Professor one of the other two members of the A.C.

Article 10 — Languages of the Programme

The languages of the Programme and of the doctoral dissertation are Greek and English.

Article 11 — Award of the Doctoral Diploma

11.1 A necessary condition for the award of the Doctoral Diploma to a Doctoral Candidate is recognition by DOATAP of the equivalence of the undergraduate degree and the Master's degree when these have been awarded by foreign HEIs.

11.2 After completion of the writing of the doctoral dissertation, the A.C. accepts or rejects the candidate's application for public defense and evaluation. If the A.C. accepts the application, it drafts a detailed report and submits it to the Department Assembly requesting the appointment of a Seven-Member Examination Committee for the assessment of the dissertation.

11.3 For the final evaluation and assessment, the A.C. proposes to the D.S.C. the members of the Seven-Member Examination Committee in accordance with Article 41(2) of Law 4485/2017. The Seven-Member Examination Committee is appointed by the Department Assembly after a recommendation of the D.S.C. and a proposal by the A.C.

11.4 Before the appointment of the Seven-Member Examination Committee, the Doctoral Candidate submits an electronic copy of the dissertation to the Doctoral Studies Secretariat, which then forwards it to the members of the Seven-Member Examination Committee.

11.5 For the appointment of the Seven-Member Examination Committee, it is required that part of the dissertation has either: (a) been published or accepted for publication in an international peer-reviewed journal; or (b) been published or accepted for publication in proceedings of an international peer-reviewed conference; or (c) been posted on arXiv.org and accompanied by a written positive recommendation from an external evaluator who: (i) cannot be a member of the

seven-member committee, and (ii) is approved by the Department Assembly after a proposal by the A.C. and a recommendation of the D.S.C.

11.6 The dissertation is defended publicly by the Doctoral Candidate. The public defense requires the physical presence of at least four (4) members of the Seven-Member Examination Committee; the remaining members may participate via videoconference. The Committee then deliberates without third parties and assesses the dissertation in terms of quality, completeness, originality and contribution to science, and approves it by a majority of at least five (5) members. Emeritus/retired members of the A.C. who have been replaced pursuant to Article 41(2) of Law 4485/2017 may attend the deliberation without voting rights.

Article 12 — Auxiliary Teaching Work

12.1 Taking into account Ministerial Decision 2/20777/0022 (Government Gazette 1596/05.08.2009) “Hiring and remuneration of postgraduate students and doctoral candidates of the University of Crete”, a Doctoral Candidate may enter into an employment contract with the University of Crete for the provision of auxiliary teaching work.

12.2 Auxiliary teaching work includes all individual duties assigned by the Department within the conduct of courses, examinations and all educational processes.

Article 13

Members of the D.S.C., the T.M.E.C. and the A.C. are not entitled to any additional remuneration or compensation for their participation in these bodies.

Article 14 — Programme Funding

Possible sources of funding for the Programme include sponsorships, donations by entities or persons, research programmes, development programmes, scholarships, etc.

Article 15 — Rules of Conduct / Ethics

Doctoral Candidates of the Department must comply with the University of Crete Code of Ethics. Any engagement of Doctoral Candidates in activities that create a conflict of interest with the duties assigned by the Department is considered unethical. Any unethical conduct by Doctoral Candidates is examined by the Department Assembly, which determines the corresponding sanctions.

Article 16 — Graduation Ceremony and Form of the Doctoral Diploma

The award ceremony for the Doctoral Diploma takes place during the scheduled graduation ceremonies for Bachelor’s degrees, Master’s degrees and Doctoral Diplomas of the Department. The conferral of the title of Doctor of the Department of Mathematics and Applied Mathematics takes place at the first meeting of the Department Assembly held after submission of the decision of the Seven-Member

Examination Committee and the doctoral dissertation. The date of that Department Assembly meeting is recorded on the Doctoral Diploma as the date of award.

Article 17 — Transitional Provisions

Matters not provided for by the above provisions and the applicable legislation are determined by decisions of the Department Assembly.

Appendix A — Application for a Doctoral Candidate Position

To: Department of Mathematics and Applied Mathematics, School of Science and Engineering, University of Crete

Protocol Number (to be completed by the Service):

Date of Application:

Full Name:

Place and Date of Birth:

Nationality:

National ID Number or Passport Number (valid for at least 1 year):

Research Interests or Scientific Field of the Doctoral Dissertation:

Proposed title of the Doctoral Dissertation in Greek:

Proposed title of the Doctoral Dissertation in English:

Proposed Supervisor (Department faculty member):

Department/School of the Undergraduate Degree (Greece) or recognized equivalent from abroad:

Master's Programme awarding the Master's degree (Greece) or recognized equivalent from abroad:

Signature:

Mandatory attachments:

(a) Detailed Curriculum Vitae

(b) Doctoral Dissertation Proposal

(c) Copies of degrees from Greece and DOATAP equivalence decisions for degrees from abroad

This decision shall be published in the Government Gazette.

Rethymno, 16 March 2018

The Rector

ODYSSEAS - IOANNIS ZORAS