

National Chiao Tung University Department of Applied Mathematics

Regulations for Ph. D. Students

In case of discrepancy with the Chinese version the latter shall prevail.

1. The department has three Ph.D. programs — “Analysis and Geometry”, “Combinatorics ” and “Mathematical Modeling and Scientific Computing” . Students are recruited separately for the three programs, transferring after admission is not allowed.
2. Ph. D. students are expected to find a thesis advisor within the first two years. The thesis advisor has to be approved by the course committee. Upon approval, enrollment may be renewed. Thesis advisors should be one of the department professors (in the case where the thesis advisor resigns after the student has passed the qualifying exam, the new thesis advisor must be acknowledged by the previous advisor). Changing the thesis advisor should be approved by the course committee; in case where the previous thesis advisor does not agree to the change, the course committee will call on a meeting to decide and settle the matter. Students from the ““Mathematical Modeling and Scientific Computing” program can have thesis advisors from the department and other departments with different specialties to co-advise.
3. Ph.D. students are required to finish their studies within 3 to 7 years, but those with outstanding performances may apply for graduation after the second year. All students should commit in full-time studies with the exception of working students. With the permission of the thesis advisor and the department chair, working students may reduce the time spent in the department; however it cannot be less than half of full-time.
4. Ph. D. students who have taken required courses from the Ph.D. program prior to enrollment can apply for waiving the courses (however, credits will not be transferred). Application for waiving courses requires the student to have performed exceptionally. Moreover, a letter of consent from the teaching professor is needed. The final decision whether waiving is possible or not will then be made by the course committee.
5. Ph. D. students will be considered Ph. D. candidates after meeting the following two criteria:
 1. Completing 18 credit hours (those taking post-graduate courses during master degree studies will have to complete 30 credit hours, and those during bachelor degree studies, 36 credit hours).
 2. Passing the qualifying exam.

6. Ph. D. candidates meeting the following criteria may apply to the course committee for the doctoral examination:
 1. Having taught one 3-credit-hours course or more or having teaching experience within the university approved by the course committee (teaching experience of working students outside the university may also be approved).
 2. Completed doctoral thesis.
 3. Have been studying for their Ph. D. degree for more than 4 years (time while taking a leave will not be considered). Articles accepted by journals should meet at least one of the following two criteria:
 - (a) Should include at least one 2.5 points (or higher) article.
 - (b) Articles adding up to 3.5 points containing at least one 2 points article.
 4. Criteria for Ph.D. candidates wishing to graduate after 5 years (or more) of study in the Ph. D. program (time while taking a leave will not be considered) are slightly different. More precisely, articles accepted by the journals will have to meet one of the following two standards:
 - (a) One 2 points (or above) article.
 - (b) Two articles adding up to 2.5 points containing at least one 1.5 points article.
 5. Ph. D. students with outstanding performance may apply for graduation within two year. Performance will be evaluated by an elite qualification panel (panel members will be scholars in the relevant field and are appointed by the course committee).
7. The doctoral examination is held by the doctoral examination committee. 5~7 committee members (including the thesis advisors) are first put forward by the Ph. D. candidate's thesis advisors (committee members should hold at least the rank of Assistant Professor or Assistant Research Fellows at the Academia Sinica). After approval by the course committee, the final appointment will be made by the university president. One-third (or more) of the committee members must be from outside and inside the university. The thesis advisors must attend, but cannot be assigned the chairperson of the committee.
8. After passing the doctoral exam, Ph. D. candidates will be able to apply for the Ph.D. title. Those failed to pass and haven't reached the maximal length of study (7 years) will be able to retake the exams before reaching expiration. The exams can only be retaken once; those failing the second exam will be expelled.
9. Recipients of the department Ph. D. scholarships are decided by the course committee. Those who received scholarships or a grant by the Ministry of Education will have to put in at least 4 hours of work every week, according to the ministry regulations. The content of work and the evaluation will be decided and made by the course committee.

10. Topics or issues not covered by this regulation will be determined by the degree-granting law, other relevant rules and the university master and Ph. D. degree granting policy.

11. This regulation is set by the department course committee, and is put into practice after being examined by the college and university course committees and being approved by the academic affair meeting. The same inspection will take place when alterations are being made.