

National Taiwan Normal University Department of Chemistry Regulations for Doctoral Program Study and Degree Awarding

Article 1 Degree Conferred:

Department/Institute Name: Department of Chemistry

Degree Name: Doctor of Philosophy

Abbreviation: Ph. D.

Applicable Starting from the Academic Year 113 for Incoming Students

Article 2 Degree Regulations

- (1) Minimum number of credits for graduation: 18 credits
 - (I) Take 2 chemistry course with course code starting with "CMD": 6 credits
 - (II) Take Seminar courses for 4 semesters: 8 credits
 - (III) Take Seminar on Contemporary Chemistry for 4 semesters: 4 credits
- (2) For those who enter the Doctoral Program directly, the credits shall be determined in accordance with the provisions of (1).
- (3) Those who wish to take the Teacher Education Program can obtain study qualifications through the following channels:
 - (I) Participate in the selection examination conducted by the school;
 - (II) Participate in the selection process of the Department.

Article 3 Qualification Examination

- (1) The coverage of the qualification examination in each field is based on the latest journal articles and the important academic developments in each subject.
- (2) The qualification examination is divided into five major fields: Organic Chemistry, Analytical Chemistry, Inorganic Chemistry, Physical Chemistry, and Applied Chemistry. The student may choose the major based on the main field of study.
- (3) Qualification examinations are held twice per semester, and students should pass the examinations three times before the end of the 2nd semester of their 2nd year (for special cases when the student is unable to meet this requirement, they must formally ask the school for a leave). The scoring standards and rules for the examinations of each subject shall be decided by the Professors of each subject at a meeting, and shall be reported during the Department meeting.
- (4) If a graduate student fails to pass the examination three times before the end of the 2nd semester of the 2nd year, it will be deemed as failed, and the student will automatically lose the Doctoral Program candidate qualification. However, if the student has exceptional performance, with the endorsement of 2/3 of the Professors in that field, an appeal may be submitted to the Department for resolution, and the student may be granted to take an additional examination.
- (5) All professors in each field shall form a committee per Academic Year, and one person shall be nominated as the Committee Chair, who is responsible for coordinating the preparation of test questions and grading (If necessary, external experts may be hired to contribute examination questions).
- (6) The results of the qualification exam shall be signed by the Committee Chair of each field and the Department Chair. If the Department Chair has any comments or concerns, it shall be raised during the Departmental meeting for referendum.

Article 4 Dissertation Oral Examination

- (1) Students who plan to take the dissertation oral examination should hold a dissertation pre-oral exam six months prior. Only those who have passed the assessment by the advisor and the evaluation panel (composed of 3-5 people) can proceed with the dissertation oral examination. Those who do not pass the pre-oral exam will have to re-apply for a pre-oral

exam within six months at the earliest. If they fail again, they will not be granted a doctorate degree.

- (2) The Doctoral Degree Examination Committee is organized in accordance with the "National Taiwan Normal University Degree Awarding and Graduate Degree Examination Measures". Doctoral degree examination committee members should have specialized research in the research field of doctoral degree candidates and have one of the following qualifications:
- (I) Current or former professors and associate professors.
 - (II) Academician of Academia Sinica, current or former researcher and associate researcher of Academia Sinica.
 - (III) Those who have obtained a doctorate degree and have distinguished academic achievements: Assistant professor or research assistant in various academic institutions and research institutions in various countries or foundations
 - (IV) Those who possess a doctorate degree and have distinguished achievements in professional fields including education and business.

Article 5 Foreign language proficiency

Doctoral students should choose one of the following methods before the dissertation oral examination:

- (1) TOEFL iBT score of 79 or above.
- (2) Publish at least 3 papers.
- (3) The total number of SCI points for published papers is more than 6 points.

Article 6 Paper publication

Candidates must publish at least two papers in SCI, SSCI, or EI journals as the first author (excluding the advisor), with at least one paper published in an international journal. It has also been published in new journals of six traditional academic publishing organizations including the American Chemical Society (ACS), Royal Society of Chemistry (RSC), Wiley, Elsevier, Springer and Taylor & Francis. It has not been included in the SCI database or calculated impact factor before the oral examination. , can also be counted as an SCI paper.

Article 7 In addition to meeting the above-mentioned basic requirements for foreign language proficiency and paper publication, the dissertation oral examination may only be undertaken upon the approval of the advisor and other relevant regulations.

Article 8 If the graduate student changes their supervisor or research field during the course of their study, they must go through at least 2 academic years and complete all the matters stipulated by the new supervisor and the new field of research before graduation.

Article 9 Postgraduates in the doctoral program of this department shall choose professors of this department as the principal advisor. If they intend to choose professors from other schools or departments as supervisors, it must be approved in a department meeting.

Article 10 These regulations have been approved by the department faculty council and the College of Science Curriculum Committee, and shall be announced and implemented following its passage at an Academic Affairs Meeting, and the same shall apply as to amendments hereto.