

Study Regulations for the International Doctoral Program
in Environmental Science and Technology (University System of Taiwan)
at National Yang Ming Chiao Tung University

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Article 1

International students who are graduates at domestic or overseas colleges/universities and foreigners who have graduated with master's degrees or degrees higher than master's may apply for the International Doctoral Program in Environmental Science and Technology to pursue a doctoral degree if their qualifications meet the requirements in Regulations Regarding International Students Undertaking Studies in Taiwan stipulated by the Ministry of Education and Regulations Regarding the Admission of International Students into National Yang Ming Chiao Tung University.

Article 2

Credit System

- (1) A doctoral student with a master's degree should complete 18 credits. Among the 18 credits, a doctoral student with a master's degree conferred by any graduate institute unrelated to Environmental Engineering must complete at least nine credits of the courses given by the **Institute of Environmental Engineering at National Yang Ming Chiao Tung University (hereafter referred to as the Institute)**. Doctoral students in this category also should complete four semesters of "Seminar" courses.
- (2) A doctoral student who was admitted into the Institute via direct admission should complete 33 credits (the number of credits earned during the period while the student was still pursuing a master's degree can be deducted; at most 24 credits are deductible). A student in this category also should complete six semesters of "Seminar" courses (including the number of semesters wherein "Seminar" courses were taken during the period while the student was still pursuing a master's degree).
- (3) International students who take "Individual Research" at the Institute may apply for the exemption from taking "Seminar" at the Institute.
- (4) If a student intends to include the number of credits of the courses taken at another department/institute in the number of credits required for graduation, the inclusion

has to be approved by the student's thesis advisor. At most twelve of those credits may be included.

- (5) If a doctoral student who left school for less than two years passes the admission examination and is re-admitted into the Institute, the credits he or she earned and the doctoral thesis he or she completed while he and she was studying at the Institute may be recognized after confirmation if his or her research specialty remains unchanged. If the doctoral student had passed the doctoral candidacy examination before he or she left school, he or she can be exempt from taking the written examination of the doctoral candidacy examination and only has to pass the oral examination of the doctoral candidacy examination. Credit waivers regarding this situation can be applicable only once.
- (6) Doctoral students from the joint degree programs offered jointly by National Yang Ming Chiao Tung University (NYCU) and foreign universities/colleges can apply for a credit waiver/transfer for their courses taken and passed or credits acquired at a foreign university/college per the Regulations for Credit Waiver and Transfer of NYCU.

Article 3

Course Requirements

- (1) Compulsory subjects are as follows: Special Topics on Environmental Science and Technology, Special Topics on Environmental Pollution and Health Risk, Special Topics on Environmental Monitoring and Analysis (choose two out of the three), and Seminar. Six credits in total in this category have to be earned.**
- (2) Elective subjects: The list of elective courses will be consistent with the latest list of postgraduate courses announced by the four universities of the University System of Taiwan (UST) in the latest semester.**

Article 4

Thesis Advisor

- (1) In principle, a doctoral student is co-advised by two professors from the UST— one is the principal advisor, and another is the cross-campus advisor.**
- (2) Each doctoral student has to choose a thesis advisor in the first semester after his or her enrollment. When a doctoral student finds a thesis advisor, he or she should submit the "Agreement for a PhD Student Applying for a Thesis Advisor" signed

by the thesis advisors to the Institute for future reference. If a doctoral student cannot find a thesis advisor within the designated period, the deadline may be deferred to the first school day of the second semester after the student's enrollment. If the student still cannot find a thesis advisor by the new deadline, the Institutional Affairs Committee should cope with it.

- (3) If a doctoral student or the student's thesis advisor wishes to revoke the advisor-advisee relationship for any reason, the revocation of the relationship should be dealt with per the Guidelines for the Interaction Between Thesis Advisors and Graduate Students at National Yang Ming Chiao Tung University. The application for the revocation has to be filed by a doctoral student or a thesis advisor to a doctoral student. The Institutional Affairs Committee will notify both parties of the result after the committee makes a decision in a meeting. After a doctoral student's thesis advisor is replaced, the period between the replacement of the thesis advisor and the date for the student to leave school by graduation must be longer than one year.

Article 5

Doctoral Candidacy Examination

The doctoral candidacy examination will be held per the guidelines for the doctoral candidacy examinations of the Institute.

- (1) The Doctoral Candidacy Examination Committee consists of three to five commissioners. The convener of the committee is the thesis advisor to the doctoral student applying for the doctoral candidacy examination.
- (2) Doctoral students, in principle, should complete the doctoral candidacy examination within two years after their admission into the Institute. However, the period can be extended upon approval of their thesis advisors, and the extension cannot pass the fourth year after their admission into the Institute. If a doctoral student fails the doctoral candidacy examination in the designated period, he or she should be expelled from school. A doctoral candidacy examination contains two parts; both are chaired by the convener. The written examination tests a doctoral student in his or her research fields and professional knowledge. The oral examination is mainly on reviewing the student's research proposal.
 - (a) Written examination:

Each commissioner respectively gives different questions. The number of questions and the way the written examination is conducted are determined by each commissioner. Each commissioner marks the written examination with

“pass” or “fail.” A student passes the written examination if at least two-thirds of the commissioners mark the examination with a “pass.” If a student fails the written examination, he or she may have a retake, and the way the retake is conducted is the same as the first written examination. If a student fails the retake, he or she should be expelled from school.

(B) Oral examination:

A doctoral student can take the oral examination if he or she passes the written one. A student passes the oral examination if at least two-thirds of the commissioners mark the examination with a “pass.” If a student fails the oral examination, he or she may have a retake, and the way the retake is conducted is the same as the first oral examination. If a student fails the retake, he or she should be expelled from school.

Article 6

Requirements for Graduation

(1) The study period for doctoral students is two to seven years. Before applying for the degree examination, doctoral students should have published their papers in SCI journals or non-SCI journals with a review system, or should have received letters of acceptance of their papers to be published in those journals. Doctoral students should meet either one of the following requirements regarding the number of journal papers and the conditions of journals:

- (a) having two papers published in any SCI journals, and being the first author of at least one of the two papers;
- (b) being the first author of one paper published in an SCI journal and two papers published in two non-SCI academic journals with a review system.

A patent is regarded as a paper published in a non-SCI academic journal paper with a review system, but at most one patent can be admitted.

The abovementioned journal papers have to be co-authored with the thesis advisors in the name of National Yang Ming Chiao Tung University.

As of the 108th academic year, doctoral students should complete the “Thesis Originality Check” before taking their doctoral degree examinations. The result of the check should be submitted to the commissioners on the Degree Examination Committee.

- (2) Students who fail to pass the degree examination may retake it once before their study period expires. The retake should be held only once. Students who fail the retake should be expelled from school.

Article 7

Doctoral Degree Examinations should be dealt with per Regulations for Master's and Doctoral Degrees Conferment at National Yang Ming Chiao Tung University. If any candidates for commissioners fit the descriptions stated in Article 6, Paragraphs 3 and 4 of the abovementioned regulations, their qualifications have to be recognized by the Institutional Affairs Committee to be nominated and appointed. The date, time, and location of the doctoral degree examination and the title and abstract of the thesis should be announced one week before the examination.

Article 8

Graduation and Leaving School

1. When doctoral students of the Institute pass their doctoral degree examinations and meet the requirements stipulated in the study regulations for doctoral students, the Institute will submit the list of the students to NYCU and request the university to confer doctoral degrees on the students.
2. Doctoral students have to upload their doctoral theses to the National Yang Ming Chiao Tung University Electronic Theses and Dissertations System. After the upload is reviewed and approved, doctoral students may go to the System for Graduation and Leaving School on the website of the Division of Registrar under the Office of Academic Affairs to print out the "Sheet for Graduation and Leaving School Procedures." A student needs to submit the sheet signed by his or her thesis advisor along with the following documents to the Institute to go through the procedures for leaving school:
 - (1) the notification of the library's verification and approval for the upload of the digital file of the student's doctoral thesis;
 - (2) two paper copies of the student's doctoral thesis (one is a hardcover in dark red, and another a paperback in yellow): one will be displayed in the library at NYCU, and another one will be sent by the Office of Academic Affairs to a unit designated by the Ministry of Education to be archived;
 - (3) other documents required by the Institute.

3. After passing the degree examination, a doctoral student should submit the “Sheet for the Information on the Score of the Degree Examination” to the Division of Registrar in the semester where the degree examination has been held. The deadlines for the submission of the sheet are January 31 for the first semester and July 31 for the second.
4. The deadline for a doctoral student to submit the paper copies of his or her doctoral thesis is the last workday by the first school day of the new semester after the one where his or her degree examination has been held. If a doctoral student fails to submit the paper copies of his or her doctoral thesis by the deadline and if his or her study period has not yet expired, then he or she still have to enroll in the doctoral program at NYCU.
5. Doctoral students whose study period has expired but failed to submit the “Sheet for the Information on the Score of the Degree Examination” in the last semester of their study period or failed to submit the paper copies of their doctoral theses by the last workday before the first school day of the new semester should be expelled from school.

Article 9

Matters not covered herein should be subject to Regulations for Master’s and Doctoral Degrees Conferment at National Yang Ming Chiao Tung University and other relevant laws and regulations.

Article 10

The Regulations are implemented after they are approved by the Institutional Affairs Committee, reviewed by the College Curriculum Committee and the University Curriculum Committee, and sent to the Academic Affairs Committee for reference. The same procedure applies to any amendments to the Regulations.