

Regulations Governing the Doctoral Program of Chemical Engineering and Materials Science (Academic year 2009)

Approved at the 1st Department Faculty Meeting of 2005 dated Sept. 5, 2005
Amended and approved at the 6th Department Faculty Meeting of 2005 dated Jan.19, 2006
Amended and approved at the 8th Department Faculty Meeting of 2005 dated Mar.22, 2006
Amended and approved at the 10th Department Faculty Meeting of 2008 dated May 3, 2007
Amended and approved at the 12th Department Faculty Meeting of 2008 dated Jun.14, 2007

Article 1 Admission Criteria: Refer to Yuan Ze University's recruitment brochure issued in the current year.

Article 2 Period of Study: 2 to 7 years

Article 3 Courses and Credits of Study

Graduate students registering for the doctoral program are required to earn a minimum of 18 credits, including 12 credits at least of CEMS courses, in addition to a 12-credit thesis and four non-credit seminars, in order to graduate. For courses of study you plan to take, please refer to the required/elective course schedule bulletined in the current year. Graduate students registering for the program leading to a doctoral degree are required to earn a minimum of 36 credits, including 24 credits at least of CEMS courses in order to graduate. Foreign students and overseas Chinese students are allowed to add two 3-credit courses in lieu of four-semester attendance of the "Seminar" course.

Article 4 Selection of Thesis Advisor

A doctoral student shall select his or her thesis advisor from the departmental full-time Graduate faculty members prior to the end of the academic year. If failing to decide his or her advisor within the period indicated above, he or she will be automatically arranged a designated advisor by the department.

Article 5 Doctoral Candidacy Examination

1. All candidates must take a public presentation and defense of their doctoral thesis's research project for candidacy examination administered by the Oral Examination Committee consisting of 3 to 5 graduate faculty members who have doctoral degrees and also excellence in academic achievements. Those failing this examination may be given one reexamination one month after of the initial oral examination.
2. First Foreign Language: The candidate must satisfy one of the following requirements for Item 2 to Item 5 prior to the doctoral thesis examination:
 - 1) choose one foreign language among English, German, Japanese and French; or
 - 2) submit a score report of TOEFL-PBT 500 or above or TOFEL-CBT 173 above or TOEFL-iBT 61 or above or TOEIC 590 or above or GEPT intermediate level within the term of validity; or
 - 3) take a minimum of 4 credits of language course among the ones stated above, and reach a grade of 70 or above; or
 - 4) earn a bachelor degree or above in a higher education institution overseas; or
 - 5) write your doctoral thesis in any language stated above and get your advisor's

approval and signature.

3. In order to advance student's broad vision in international issues, candidates must submit their dissertation only after reaching one of the following criteria:
 - 1) at least a paper presented in an international academic seminar; or
 - 2) a minimum of one month of study experience in a foreign higher education institution or research center through a purposeful visit or student exchange program.
4. The doctoral candidate's work should be presented in a dissertation or thesis, consisting of a suitable body of original academic research and prepared under the supervision of his or her advisor. To apply for doctoral thesis's oral examination, the candidate is required to have had at least one piece of original paper, which is in principle worthy of publication in a peer-refereed context, and published in a SCI internationally related specialty journal. Furthermore, he or she should make a public lecture at the Department prior to his or her thesis oral examination. If not passing the examinations specified in Item 1 and Item 2 prior to his or her third year of entry into Yuan Ze, the candidate will be thus academically terminated from the YZU graduate program.
5. To apply for doctoral thesis's oral examination, the candidate is also required to make a prior submission of the relevant documents or materials demonstrating his or her potential for academic success in doctoral research coursework for his or her doctoral candidacy examination, which will be conducted to ensure the candidate's academically independent capacity during his or her doctoral study, his or her other related qualifications and dissertation originality and contribution by the doctoral examination committee consisting of 3 faculty members from the department faculty evaluation committee, excluding the candidate's advisor; or the committee chair will otherwise appoint a faculty in his or her stead.

Article 9 Requirements of Final Oral Examination

Each doctoral candidate must pass an open final oral examination in order to graduate, which will be administered by the Oral Examination Committee consisting of 5 to 9 internal and external graduate faculty members, at least one-third of them must be respectively from YZU faculty and outside the University, and all of whom must satisfy one of the following qualifications:

1. A full professorial rank
2. Either an academician or a research fellow of Academia Sinica
3. An associate professorial rank or an associate research fellow of Academia Sinica, distinguished in his or her academic achievements.
4. A doctoral degree and excellence in academic achievements
5. An expert in a unique or special field and excellence in academic or professional achievements.

Article 10 Any matters not stipulated here will be governed by Yuan Ze University's Degree

Examination Bylaw.

Article 11 The Regulations herein will come into effect after approval by the Department Faculty Meeting. Amendments to the Regulations shall follow the same procedure.