

Regulations of the Ph.D. Studies in Institute of Biotechnology, College of Bioresources and Agriculture, National Taiwan University

Passed at the Institute Affairs Meeting on January 9, 2007
Amended at the Institute Affairs Meeting on February 19, 2008
Amended at the Institute Affairs Meeting on August 5, 2008
Amended at the Institute Affairs Meeting on August 25, 2009
Amended at the Institute Affairs Meeting on January 12, 2010
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Amended and passed at the 230th Extended Meeting of the Faculty on January 10, 2011
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Amended at the Institute Affairs Meeting on July 8, 2014
Amended at the Institute Affairs Meeting on June 16, 2015
Amended at the Institute Affairs Meeting on September 20, 2016
Amended at the Institute Affairs Meeting on June 16, 2021

Article 1: These regulations are established following the " National Taiwan University Rules Governing Thesis/Dissertation Defense."

Article 2: Applicability:

These regulations apply to all Ph.D. graduate students. The English proficiency requirements are applied only to students enrolled from the academic year 2009 onwards.

Article 3: Curriculum Requirements

1. IOB Ph.D. graduate students must complete at least 20 credits. Master students pursuing direct entry for the Ph.D. program must fulfill at least 32 credits, excluding thesis credits. Compulsory courses include Seminar (Course Code: 642 D0100), which should be taken every semester and account for a maximum of 4 credits; Biotechnology Frontier I and II, which have been discontinued since the academic year 2011 and they are replaced by Advanced Biotechnology Special Topics (I) and (II), totaling 6 credits. Students who did not take Biotechnology Frontier before the academic year 2011 may substitute it with Advanced Biotechnology Special Topics. Additionally, students must complete elective courses totaling 6 credits. Those who completed Advanced Biotechnology Special Topics during their Master's program at this institute are exempt from this compulsory subject, substituting it with courses with a 'D' prefix offered by this institute.
2. The program duration is two to seven years per the university regulations.

Article 4: Selection of Thesis Advisor

1. Assistant professors and above, whether full-time or adjunct faculty members of the institute, may serve as thesis advisors for Ph.D. students.
2. During the first year of study, Ph.D. students may conduct rotation research in different laboratories. Before the start of the third semester, students must select their "Thesis Advisor".
3. If a change of thesis advisor is necessary, it should be done following the guidelines outlined in the university's "Guidelines for Interaction between Thesis Advisors and Graduate Students".

Article 5: Qualifying Examination

Upon completion of the required course credits, Ph.D. students, with the approval of their thesis advisor, may apply for the qualifying examination according to the institute's " Implementing Regulations for the Doctoral

Candidate Qualifying Examination in IOB " Those who pass the examination will be recognized as Ph.D. candidates.

Article 6: Ph.D. Thesis Examination

1. Application Procedure: Candidates who have passed the qualifying examination, obtained proof of English proficiency, and received approval from their thesis advisor may apply for the Ph.D. thesis examination according to university regulations.
2. English Proficiency: Candidates must obtain a certificate of passing the Advanced Level of the General English Proficiency Test (GEPT) or an equivalent level of proficiency from other recognized English language proficiency tests. Those without such certification must take the "Online English for Graduate Students" course (Course Code: 004EM0130) offered by the university and pass it.
3. Minimum Requirements for Thesis Publication:
 - 3.1. Two selected journal articles related to the Ph.D. candidate's thesis, either published or accepted for publication in SCI (or SSCI) journals, must be completed during the Ph.D. program. The content should be formally and entirely research-oriented, excluding technical short papers and comprehensive review types, unless published in journals with an IF value greater than 10 or within the top 5% of the field.
 - 3.2. The graduate student must be the first author or co-first author of the paper, and the thesis advisor must be the corresponding author or co-corresponding author. If the graduate student is the second author, the first author must be the thesis advisor.
 - 3.3. The academic journals in which the two selected published or accepted papers must have been listed in SCI or SSCI within five years before the publication or acceptance date.
 - 3.4. One of the two published papers should be chosen as the representative work, and the student must be the first author "in order" (should not be the second co-first author) for this paper.
 - 3.5. In the case of co-first authorship, each publication can only be used to apply for PhD graduation once.
 - 3.6. If the representative paper chosen by the student is published in a journal with an IF value (at the time of submission or acceptance) equal to or greater than 5, the student may apply for graduation with only one representative work.
 - 3.7. The IF value and the field ranking of the chosen representative work should be based on the latest published data at the time of submission (or acceptance).
4. Oral Examination Procedure: The oral examination is conducted under Article 5 of the "National Taiwan University Guidelines for Ph.D. and Master's Degree Examination." If any member of the examination committee cannot attend on the day of the oral examination, with the committee's agreement, the examination can proceed; however, there must be at least five committee members present. If this requirement is not met, the examination should be postponed.
5. Those who fail to pass the degree examination may retake it in the next semester or academic year. Only one retake is allowed, and failure to pass in the second attempt will result in dismissal. The regulations for the Ph.D. thesis examination are carried out per the "National Taiwan University Rules for Doctoral and Master's Degree Examinations" published on October 21, 2010, under the document number 0990045702.

Article 7: Any matters not covered by these regulations shall be handled in accordance with the relevant

university regulations.

Article 8: After approval by the Institute Affairs Meeting and verification by the Office of Academic Affairs, these regulations shall take effect from the date of publication.