

# **Ph D Program Regulations – Institute Of Microbiology And Immunology, NYCU**

## **Regulations for the Doctoral Program**

**Institute of Microbiology and Immunology**

**National Yang Ming Chiao Tung University**

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### **Article 1**

This Institute is approved by the Ministry of Education as the **Institute of Microbiology and Immunology, National Yang Ming Chiao Tung University** (hereinafter referred to as “the Institute”).

### **Article 2**

Admission examinations and related regulations shall be conducted in accordance with the admission brochure for the relevant academic year.

### **Article 3**

#### **New Student Admission and Registration**

1. New student admission and registration shall be handled in accordance with the admission brochure of the relevant academic year, the University's admission and registration notices, and other applicable regulations.
2. Admitted graduate students shall complete enrollment procedures within the prescribed period and submit their degree certificates.
3. If any submitted documents are found to be falsified, the student shall be expelled upon verification.

### **Article 4**

#### **Direct Admission from the Master's Program to the Doctoral Program**

##### **1. Application**

1. Master's students with outstanding academic performance and strong research potential may apply for direct admission to the doctoral program.

2. Applicants must not have applied for the master's degree examination. Those who have already applied for the master's degree examination are not eligible.
2. **Review Procedures:** Applications shall be reviewed in accordance with the Institute's *Regulations for Direct Admission from the Master's Program to the Doctoral Program*, which shall be implemented after approval by the Institute Affairs Meeting and the Academic Affairs Committee. The same procedure applies to amendments.
3. Students directly admitted to the doctoral program may, upon approval by the Institute Affairs Meeting and the University President, return to the master's program. The period of doctoral study shall not be counted toward the master's program duration.
4. Students directly admitted to the doctoral program who pass the doctoral candidacy qualification examination but fail the doctoral degree examination may be awarded a master's degree if their thesis, creative work, or documented achievements meet the master's degree requirements as determined by the Doctoral Degree Examination Committee. Those who do not meet the above criteria may apply to return to their original unit or transfer to a related unit to complete a master's degree in accordance with University regulations.

## Article 5

### Curriculum

#### (A) Domestic Students

1. **Required Courses:**
  1. *Advanced Microbiology and Immunology—Immunology* (2 credits) **or** *Immunology (English-taught)* (2 credits)
  2. *Advanced Microbiology and Immunology—Virology* (2 credits) **or** *Virology (English-taught)* (2 credits)
  3. *Advanced Microbiology and Immunology—Bacteriology* (2 credits) **or** *Bacteriology (English-taught)* (2 credits)
    - *Note:* For items (1)–(3), students shall choose either the Chinese-taught or English-taught version. If both are taken, only one may be counted toward graduation credits.
  4. *Genomic Science* (2 credits)
  5. Courses (1)–(4): select **two out of four**.

5. *Research Ethics* (0 credit)
6. Choose **one** of the following:
  - *Modern Biological Research Methods* (2 credits)
  - *Advanced Biochemistry and Molecular Biology* (3 credits)
  - *Advanced Cell Biology* (3 credits)

## **(B) International Students**

### **1. Required Courses:**

1. *Immunology (English-taught)* (2 credits)
2. *Virology (English-taught)* (2 credits)
3. *Bacteriology (English-taught)* (2 credits)
  - Courses (1)–(3): select **two out of three**.
4. *Research Ethics* (0 credit)
5. Choose **one** of the following:
  - *Biomedical Experimental Techniques* (2 credits)
  - *Introduction to Molecular and Cellular Biology* (2 credits)

*(Items (C)–(H) below apply to both domestic and international students.)*

C. First-year doctoral students must enroll in *College of Life Sciences—Biomedical Seminar* (1 credit) for at least two semesters.

D. After completing two of the required courses among *Advanced Microbiology and Immunology—Immunology, Virology, Bacteriology, and Genomic Science*, students must take *Microbiology and Immunology Laboratory Teaching (I)* (1 credit) and *(II)* (1 credit) for two semesters. International doctoral students must instead take *Microbiology and Immunology Teaching (English-taught) (A)* and *(B)* (1 credit each) for two semesters and serve as teaching assistants for English-taught courses as assigned by instructors.

E. Students must enroll in *Microbiology and Immunology Seminar* (2 credits) every semester until the end of the third doctoral year.

F. After selecting a laboratory, students must enroll in *Microbiology and Immunology Research* (2 credits) each academic year starting from the second semester of the first doctoral year. This requirement may be waived in the academic year in which the doctoral candidacy qualification examination is held.

G. Fourth- and fifth-year doctoral students may choose to give a public progress report in either year and must enroll in *Microbiology and Immunology Research* (2 credits) in that semester.

H. Course enrollment, add/drop procedures shall be conducted in accordance with University regulations.

## **Article 6**

### **Duration of Study and Credits**

1. The duration of study shall be two to seven years. Leave of absence, withdrawal, and extensions shall be handled in accordance with University regulations.
2. A minimum of 18 credits is required for graduation, including required courses. Students directly admitted to the doctoral program must complete at least 30 credits.
3. Students directly admitted to the doctoral program are exempt from retaking required doctoral courses already passed.
4. Students holding a master's degree from a related institute who have completed equivalent required courses may apply for course exemptions upon approval by the Curriculum Committee.
5. Leave of absence shall be handled in accordance with University regulations.

## **Article 7**

### **Transfer Regulations**

1. Students who have completed at least one semester may apply for transfer with the consent of their original department and approval by the Institute and the Dean of Academic Affairs.
2. Transfer is limited to once only, and all graduation requirements of the Institute must be fulfilled.

## **Article 8**

### **Examinations and Grades**

1. Course assessments include continuous assessment, midterm, and final examinations, as determined by the instructor.

2. Final grades shall be submitted within two weeks after the end of examinations.
3. Grade changes due to errors shall be processed in accordance with University regulations.
4. Academic grades are based on a 100-point system with 70 as passing. For students admitted from Academic Year 2015 onward, a letter-grade system applies (A+ as highest, B– as passing). Conduct grades use a letter-grade system with B as passing.
5. Required courses not passed must be retaken. Unsatisfactory conduct grades result in dismissal.
6. Absence from examinations due to official duties, illness, or major incidents shall be handled in accordance with University regulations.

## **Article 9**

### **Thesis Supervision**

#### **A. Advisor**

1. Students shall select an advisor within two weeks after the start of the semester.
2. Advisors may not be spouses or relatives within three degrees of kinship.
3. The Institute Director shall assist students who are unable to secure an advisor.
4. Requests to terminate or change advisors shall be submitted in writing.
5. Advisors wishing to terminate supervision must submit written applications.
6. Research 成果 obtained under the original advisor require the advisor's consent for thesis use or publication.
7. Advisors bear corresponding responsibility for academic misconduct.

#### **B. Thesis Advisory Committee**

1. Each doctoral student shall have a Thesis Advisory Committee of three to five members, holding at least assistant professor or assistant researcher rank.
2. Advisors are responsible for comprehensive academic guidance and may not be nominal only.

#### **C. Laboratory Selection**

1. Full-time faculty may admit one doctoral student per year, or no more than two within two years, with a total cap of eight students, subject to specified restrictions.
2. Part-time faculty may admit one doctoral student every two years.
3. Students must select a laboratory within two weeks after the semester begins.

#### **D. Laboratory Transfer**

1. Students must stay in the original laboratory for at least six months.
2. Transfer procedures require approvals from both original and new advisors and the Institute Director.

#### **E. Thesis Progress Report**

1. An annual progress report is required after laboratory selection.
2. Scheduling, grading, and evaluation shall follow Institute regulations.

### **Article 10**

#### **Doctoral Candidacy Qualification Examination**

1. The first attempt must be completed by the end of the fourth semester and no later than the sixth semester.
2. Application deadlines: November 30 (fall), May 31 (spring).
3. Students failing to pass by the sixth semester shall be dismissed.
4. Examination procedures and grading follow University regulations.

### **Article 11**

#### **Doctoral Degree Examination**

1. Candidates shall submit applications and required documents at least seven working days before the examination.
2. Eligibility requirements include minimum study duration, required credits, and at least one accepted international journal publication as first or co-first author.
3. Examination committees, thesis writing, oral defense procedures, grading, and re-examination rules shall be handled in accordance with University and Institute regulations.

## **Article 12**

### **Graduation and Departure Procedures**

1. Thesis submission deadlines and registration requirements shall follow University regulations.
2. Thesis formatting, binding, submission, and archiving shall comply with Ministry of Education and University standards.
3. Degrees may be revoked in cases of fraud or academic misconduct.

## **Article 13**

Matters not specified herein shall be handled in accordance with other applicable University regulations.

## **Article 14**

These Regulations shall be implemented after approval by the Curriculum Committee, Academic Affairs Meeting, and relevant University authorities. Amendments shall follow the same procedure.