

環境與職業衛生研究所 博士班

115 學年度

最低修業年限	博士班修業期限以二至七年為限
應修學分數	18
逕博應修學分數	逕修讀博士學位研究生至少應修畢 30 學分
應修（應選）課程及符合畢業資格之修課相關規定	除博士論文十二學分之外，至少須修滿十八學分 一、必修課程 環境衛生特論(2)、職業衛生特論(2)、環境職業流行病學特論(2)、學術研究倫理課程(0) 二、必選修基礎能力科目：必選修之基礎能力科目，不計入畢業學分。如已修過其他校系所碩士班之相關科目，須經本所授課教師同意後，方能抵免學分不選修。基礎能力科目詳列如下： (1) 環境衛生學 2 學分 (2) 職業衛生學(或工業衛生) 2 學分 (3) 流行病學原理 2 學分 或流行病學方法 3 學分 (4) 生物統計學 2 學分 或生物統計方法 3 學分 三、博士班必選修科目：於下列 3 大領域中必須選修至少 2 個領域共 3 門課程： (1)領域 1-認知危害：分子毒理學、新興毒物之評估； (2)領域 2-評估危害：進階統計模式與資料分析、健康風險評估、暴露評估、進階流行病學研究設計； (3)領域 3-控制危害：環境變遷與公害防治課程、病媒管制研究設計、人因工程。 四、選修課程(當學期是否開課以學期課程表為準)
備註	若有未盡之事宜，請見本所之修業規章。

NATIONAL YANG MING CHIAO TUNG UNIVERSITY
Institute of Environmental and Occupational Health Sciences
Ph. D. Program

Academic Year 115

Mini. Term of Study	The period of study in the Program shall be two to seven years.
Minimum Credits	18 credits in total
Minimum Credits for Direct-Entrance Ph.D.	Students admitted directly to the doctoral program must complete at least 30 credits.
Curriculum and Regulations	Excluding the 12 credits for the doctoral dissertation, students must complete at least 18 credits. I. Required Courses Advanced Environmental Health (2), Advanced Occupational Health (2), Advanced Environmental and Occupational Epidemiology (2), Academic Research Ethics (0) II. Foundational Competency Courses (Required Electives) Foundational competency courses are required but do not count toward graduation credits. If equivalent courses have been completed in a master's program at another department or institution, course waiver may be granted upon approval by the course instructor of the Institute. The foundational competency courses are as follows: 1. Environmental Health (2 credits) 2. Occupational Health (or Industrial Hygiene) (2 credits) 3. Principles of Epidemiology (2 credits) or Epidemiologic Methods (3 credits) 4. Biostatistics (2 credits) or Biostatistical Methods (3 credits) III. Doctoral Program Elective Requirements Students must select courses from at least two of the following three domains, completing a total of at least three courses: 1. Domain 1 – Hazard Recognition: Molecular Toxicology, Assessment of Emerging Toxic Substances

	2. Domain 2 – Hazard Assessment: Advanced Statistical Modeling and Data Analysis, Health Risk Assessment, Exposure Assessment, Advanced Epidemiologic Study Design 3. Domain 3 – Hazard Control: Environmental Change and Pollution Control, Research Design in Vector Control, Ergonomics IV. Elective Courses Course offerings are subject to the official course schedule for each semester.
Annotations	For matters not covered in this document , please refer to the Rules & Regulations of this institute.