

生態演化碩士班GPE課程地圖

112學年度入學新生適用

Course Curriculum for Master Students in Ecology and Evolution Program (for Students Starting Fall 2023)

Required Courses 必修課 (10 Credits)

Population Genetics and Evolution (A) (3)
族群遺傳與演化甲

Advanced Ecology (3)
進階生態學

Seminar on Ecology & Evolution (2) ×2
生態演化專題討論



Elective Courses 領域進階課程 (≥ 6 Credits)

Behavioral Ecology (3)
行為生態學

Wildlife Biology (3)
野生動物學

Ecology and Conservation (3)
生態與保育

Knowledge Transformation and Dissemination for Life Science(2)
生命科學知識轉化與分享

Biogeography A (3)
生物地理學甲

Introduction to statistical analysis(3)
統計分析概論

Landscape Ecology (3)
地景生態學

Biodiversity (A) (3)
生物多樣性 甲

Biological Modeling (3)
生物系統模擬

Microbial Ecology and Diversity (3)
微生物生態與多樣性

Linear and Logistic Regression Models (3)
線性與邏輯迴歸

Forest Ecology (3)
森林生態學

Ecoacoustics : Principle and Application (2)
生態聲學概論與應用

Systematics A (3)
系統演化學甲



Minimum Number of Credits for Graduation: 24 Credits

具備畢業基本資格：至少24學分

生態演化博士班GPE課程地圖

112學年度入學新生適用

Course Curriculum for Ph.D. Students in Ecology and
Evolution Program (for Students Starting Fall 2023)

Required Courses 必修課 (14 Credits)

**Population Genetics
and Evolution (A) (3)**
族群遺傳與演化甲

Advanced Ecology (3)
進階生態學

**Seminar on Ecology &
Evolution (2) ×4**
生態演化專題討論



Elective Courses 領域進階課程 (≥ 6 Credits)

Behavioral Ecology (3)
行為生態學

**Ecology and
Conservation (3)**
生態與保育

Biological Modeling (3)
生物系統模擬

**Microbial Ecology and
Diversity (3)**
微生物生態與多樣性

Disease Ecology A (3)
疾病生態學甲

Estuary Ecology (3)
河口生態學

**Molecular Evolution A
(3)**
分子演化甲

**Geospatial Information
Technology and
Analysis (3)**
空間資訊技術與應用分
析

**Introduction to
statistical analysis(3)**
統計分析概論

Biodiversity (A) (3)
生物多樣性 甲

Systematics A (3)
系統演化學甲

Marine Ecosystems (3)
海洋生態系

Molecular Phylogeny (3)
分子親緣關係學

**Advanced
Bioinformatics (3)**
進階生物資訊

**Diversity and Evolution
of Eukaryotes (3)**
真核生物多樣性與演化

**Linear and Logistic
Regression Models (3)**
線性與邏輯迴歸

**Ecology Masterclass at
Taiwan (3)**
台灣生態進階課程

Biogeography A (3)
生物地理學甲

**Advanced Microbiology
(3)**
微生物學特論

Ecosystem Ecology (3)
生態系生態學

**Introduction to
Genomics: Data and
Analysis (3)**
基因體學的理論與分析
方法



Minimum Number of Credits for Graduation: 24 Credits
具備畢業基本資格：至少24學分