# 系所課程地圖 Department Curriculum Map

| 系所概要 Department | |
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| 系所名稱 Department Name | 生命科學系Department of Life Sciences |
| 班別 Division | 博士班(甲組) Doctoral Program (Biodiversity Program) |

| 教育目標 Education Goals | |
|---|---|
| 編號 Number | 項目內容 Content |
| A | 培養全球環境變遷之生態保育尖兵<br>Cultivate elite experts in ecological conservation for global environmental change |
| B | 探究生物的分佈和多樣性形成原因<br>Investigate the distribution of organisms and the causes of biodiversity formation |
| C | 瞭解生物演化的機制<br>Understand the mechanisms of biological evolution |
| D | 探討生態系統的運作<br>Explore the functioning of ecosystems |
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| 學生核心能力 Student Core Competencies | | |
|---|---|---|
| 編號 Number | 項目內容 Content | 對應教育目標編號 Corresponding Education Goal Number |
| A | 分析生態系統<br>Analyzing the ecological system | ABD |
| B | 認識生物多樣性<br>Understanding biodiversity and biological classification | ABC |
| C | 瞭解演化及分類<br>Realizing evolution and related mechanisms of the | ACD |
| D | 培養實驗分析寫作能力<br>Training the ability of experimental analysis and paper | ABCD |
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※附註 Note:

1.各系所所屬之班別，含學士班、碩士班、博士班等，請分別填寫。1. Complete the map separately for each division, including Bachelor's, Master's, and Doctoral program.

例如：資管學士班需填寫表二及表三；資管碩士班也須填寫表二及表三。For example, Forms 2 and 3 must be completed for Bachelor's program in Management Information Systems, and also for Master's program in for Bachelor's program in Management Information Systems.

2.教育目標及核心能力之代號皆以英文字母大寫為主。2. Codes for Education Goals and Core Competencies must be in uppercase English alphabet letters.

3.可依不同班（組）別填寫教育目標及核心能力。3. Education Goals and Core Competencies can be specific to the division in question.

承辦人簽章 Signature of Processing Clerk: 規劃單位主管簽章 Head of Planning Unit: 年 月 日 Date:

生命科學系 Department of Life Sciences □學士班 Bachelor's Program □碩士班 Master's Program ■博士班 Doctoral Program □碩專班 Master's Degree Program □國際專班 International Program □進修學士班 Continuing Bachelor Program

# 課程規畫表 Curriculum Plan

| 中文課程名稱 Course Title in Chinese | 英文課程名稱 Course Title in English | 規劃要點 (附註) Plans (Notes) 1 | 2 | 3 | 4 | 對應核心能力編號 Corresponding Education Goal Number | 建議修課年級 Recommended Year of Study | 開課單位 Course Offering Unit | 備註 Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 院核心課程(若無免填，請加註必修、選修) College Core Courses (not required if none, otherwise please indicate Required Courses and Elective Courses) | | | | | | | | | |
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| 必修課程 Required Courses | | | | | | | | | |
| 專題討論(三)a | Seminar (Ⅲ) a | D | C | Y | 2 | ABCD | 1 | 生科系 Dept. of Life Sciences | |
| 專題討論(三)b | Seminar (Ⅲ) b | D | C | Y | 2 | ABCD | 1 | 生科系 Dept. of Life Sciences | |
| 專題討論(三)c | Seminar (Ⅲ) c | D | C | Y | 2 | ABCD | 1 | 生科系 Dept. of Life Sciences | |
| 專題討論(四)a | Seminar (Ⅳ) a | D | C | Y | 2 | ABCD | 2 | 生科系 Dept. of Life Sciences | |
| 專題討論(四)b | Seminar (Ⅳ) b | D | C | Y | 2 | ABCD | 2 | 生科系 Dept. of Life Sciences | |
| 專題討論(四)c | Seminar (Ⅳ) c | D | C | Y | 2 | ABCD | 2 | 生科系 Dept. of Life Sciences | |
| 畢業論文 | Dissertation | D | C | | 12 | D | * | 生科系 Dept. of Life Sciences | |
| 實驗室安全衛生 | Laboratory Safety and Health | D | A | S | 1 | D | 1 | 生科系 Dept. of Life Sciences | |

※附註：規劃要點填表說明：（１到４各欄位請填正確代表字母）

Note: Instructions for completing this form are provided below (please provide the correct English alphabet letters in fields 1 to 4)

1：U-學士課程、M-碩士課程、D-博士課程。1: U-Bachelor's program, M-Master's program, D-Doctoral program.

2：A-正課、B-實習課、C-台下指導之科目如學生講述或邀請演講之專題討論、專題研究……等。

2: A-Lecture, B-Internship, C-Subjects with private guidance such as student presentations or invited speeches, topic discussions, topic research, etc.

3：Ｓ-學期課、Ｙ-學年課。3: S-Semester course, Y-Year-long course.

4：科目（全期或全年）總學分數（請填阿拉伯數字）。4: Total course (full-semester or full-year) credits (in Arabic numerals).

承辦人簽章 Signature of Processing Clerk:　　規劃單位主管簽章 Head of Planning Unit:　　年　月　日 Date:

生命科學系 Department of Life Sciences □學士班 Bachelor's Program □碩士班 Master's Program ■博士班 Doctoral Program □碩專班 Master's Degree Program □國際專班 International Program □進修學士班 Continuing Bachelor Program

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|---|---|---|---|---|---|---|---|---|---|
| 選修課程 Elective Courses | | | | | | | | | |
| 植物生理生態學 | Physiological Plant Ecology | D | A | S | 3 | AB | | 生科系 Dept. of Life Sciences | |
| 魚類與環境緊迫 | Stress and Fish | D | A | S | 2 | B | | 生科系 Dept. of Life Sciences | |
| 生命科學特論(一) | Special Topics in Life Sciences (I) | D | C | S | 1 | ABCD | | 生科系 Dept. of Life Sciences | |
| 生命科學特論(二) | Special Topics in Life Sciences (II) | D | C | S | 1 | ABCD | | 生科系 Dept. of Life Sciences | |

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承辦人簽章 Signature of Processing Clerk:　　規劃單位主管簽章 Head of Planning Unit:　　年　月　日 Date: