



# 課 綱 Course Outline

## 生化暨分子醫學科學系學士班

|                                                                        |                                                                                                                                         |                           |                  |                                                                                          |                    |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------|------------------------------------------------------------------------------------------|--------------------|
| 中文課程名稱<br>Course Name in Chinese                                       |                                                                                                                                         | 生命科學前瞻                    |                  |                                                                                          |                    |
| 英文課程名稱<br>Course Name in English                                       |                                                                                                                                         | Frontiers in Life Science |                  |                                                                                          |                    |
| 科目代碼<br>Course Code                                                    |                                                                                                                                         | BMM_33450                 | 班 別<br>Degree    | 學士班<br>Bachelor' s                                                                       |                    |
| 修別<br>Type                                                             |                                                                                                                                         | 學程<br>Program             | 學分數<br>Credit(s) | 1.0                                                                                      | 時 數<br>Hour(s) 1.0 |
| 先修課程<br>Prerequisite                                                   |                                                                                                                                         |                           |                  |                                                                                          |                    |
| 課程目標<br>Course Objectives                                              |                                                                                                                                         |                           |                  |                                                                                          |                    |
| 本課程之目標在使學生多了解現代生命科學之發展方向及現況，以做為相關研究之基礎及未來職涯規劃。                         |                                                                                                                                         |                           |                  |                                                                                          |                    |
| 系教育目標<br>Dept.' s Education Objectives                                 |                                                                                                                                         |                           |                  |                                                                                          |                    |
| 1                                                                      | 培養生化及生物醫學相關領域之人才。<br>Cultivating talents engaged in biochemistry and molecular medicine.                                                |                           |                  |                                                                                          |                    |
| 2                                                                      | 培育學生具有自我學習、獨立思考與創新之能力。<br>Fostering students to acquire the capabilities of self-learning, independent thinking, and innovation.        |                           |                  |                                                                                          |                    |
| 系專業能力<br>Basic Learning Outcomes                                       |                                                                                                                                         |                           |                  | 課程目標與系專業能力相關性<br>Correlation between Course Objectives and Dept.' s Education Objectives |                    |
| A                                                                      | 具備生命科學相關學科之基礎知識。<br>Having the basic knowledge of life science.                                                                         |                           |                  | ●                                                                                        |                    |
| B                                                                      | 具備邏輯分析與解決問題的能力。<br>Having the capabilities of logical analysis and problem solving.                                                     |                           |                  | ●                                                                                        |                    |
| C                                                                      | 具備資料整合、數據分析與書面及口頭報告之能力。<br>Having the capabilities of data integration and analysis, and the skills of written and poster presentation. |                           |                  | ●                                                                                        |                    |
| D                                                                      | 具備終生學習的能力。<br>Having the capability of lifelong learning.                                                                               |                           |                  | ●                                                                                        |                    |
| 圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated |                                                                                                                                         |                           |                  |                                                                                          |                    |
| 課程大綱                                                                   |                                                                                                                                         |                           |                  |                                                                                          |                    |

Course Outline

生命科學領域包羅萬象，本課程將邀請國內外講員分享在生物醫學、農學、奈米科技、中草藥、生物防制、基因轉殖、幹細胞、遺傳及感染性疾病等相關研究以及產業現況，並增進本系師生與校外學者交流討論的機會。

資源需求評估（師資專長之聘任、儀器設備的配合．．．等）

Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)

師資將由本校及外請講員協同教學。

課程要求和教學方式之建議

Course Requirements and Suggested Teaching Methods

本課程將演講方式進行(每個單元為1至2小時)並佐以小組討論。

其他

Miscellaneous

無。