



課 綱 Course Outline
生命科學系學士班

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| 中文課程名稱 Course Name in Chinese | 人體生理學 | | | | |
| 英文課程名稱 Course Name in English | Human Physiology | | | | |
| 科目代碼 Course Code | LF__33400 | 班 別 Degree | 學士班 Bachelor' s | | |
| 修別 Type | 學程 Program | 學分數 Credit(s) | 3.0 | 時 數 Hour(s) | 3.0 |
| 先修課程 Prerequisite | | | | | |
| 課程目標 Course Objectives | | | | | |
| 人體生理學是修習生物醫學相關課程之基礎課程。本課程將深入淺出地介紹人體生理學的基本原理，由神經生理學入門，進而深入淺出介紹各器官系統的生理作用及調控機制。對生命科學學群學生而言，為將來學習進階生物醫學關課程奠定良好基礎。 | | | | | |
| 系教育目標 Dept.'s Education Objectives | | | | | |
| 1 | 培養從事生命科學相關領域之人才 Cultivating talents engaged in life science | | | | |
| 2 | 培育學生具有自我學習、獨立思考與創新之能力 Fostering students to acquire the capabilities of self-learning, independent thinking, and innovation. | | | | |
| 系專業能力 Basic Learning Outcomes | | | | 課程目標與系專業能力相關性 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 Having the basic knowledge of life science. | | | ● | |
| B | 具備邏輯分析與解決問題的能力 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 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 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

1. Introduction
2. Nervous system (I)
3. Sensory physiology (II)
4. Muscle
5. Endocrine system
6. Cardiovascular system (I)
7. Cardiovascular system (II)
8. Respiratory system (I)
9. Respiratory system (I)
10. Renal system (I)
11. Renal system (II)
12. Digestion (I)
13. Digestion (II)
14. Metabolism
15. Reproduction

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.)

現有合宜專任師資；購置訂閱醫學生理學相關圖書及期刊，提供單槍投影機等教學用具。

課程要求和教學方式之建議
Course Requirements and Suggested Teaching Methods

本課程除主題講授外，適時進行醫學生理學及其相關領域代表性新發表期刊學術論文之選讀與討論。

其他
Miscellaneous