

# 國立東華大學

## 生命科學系

### 111學年度課程規劃表

生物技術博士班(International program)最低畢業學分數30學分 1. 專業必修27學分 2. 專業選修3學分				
專業必修	科目代碼	學分	先修科目	備註
1. 書報討論(一) Journal Club (I)		1.0		
2. 書報討論(二) Journal Club (II)		1.0		
3. 專題演講(一) Colloquium (I)		1.0		
4. 專題演講(二) Colloquium (II)		1.0		
5. 專題演講(三) Colloquium (III)		1.0		
6. 專題演講(四) Colloquium (IV)		1.0		
7. 高等分子細胞生物學 Advanced Molecular Cell Biology		3.0		
8. 專題研究 Independent Study		3.0		Must enroll at least six courses (one per semester), a total of 18 credits.
專業選修	科目代碼	學分	先修科目	備註
9. 高等生物化學 Advanced Biochemistry		3.0		
10. 生物反應器原理與實作 Bioreactor principles and implementation		1.0		
11. 生物分子核磁共振光譜學 Biomolecular NMR Spectroscopy		3.0		
12. 生化工程學特論 Special Topics in Biochemical Engineering		3.0		
13. 奈米藥物傳遞系統 Nanoparticles as drug delivery system		3.0		
14. 奈米生物技術特論 Special Topics on Nano Biotechnology		3.0		
15. 幹細胞核心技術 Core Techniques in Stem Cell Research		3.0		

系所主管: \_\_\_\_\_

1/2

院 長: \_\_\_\_\_

16.	英文科學論文寫作 Technical Writing of Science Dissertation in English		3.0		
17.	幹細胞與組織工程特論 Special Topics on Stem Cell and Tissue Engineering		3.0		
18.	細胞訊息傳遞特論 Special topics in cellular signaling		3.0		

**重要相關規定**

1. 本系博士班畢業專業選修學分，可採計本校理工學院或他校其他系所博士班課程至多6學分(經博士生指導委員會同意)。

1. The elective course credits of the Ph.D. program in the department can include a maximum of 6 credits from other Doctoral Programs in College of Science and Engineering or doctoral curriculum from other Colleges or Universities (The approval from the thesis committee is required).

2. 本系博士班學生英語能力畢業標準：需通過全民英檢中高級初試以上通過或其他相當之語文能力測驗(參照本系博士班修業要點附件表1所列同等級之英語認定標準)；或修習本系開設之「英文科學論文寫作」課程3學分，且成績達B以上。

2. Graduation requirements of English proficiency for students in the doctoral program of the department: Doctoral students must pass the National English Examination for Intermediate and Advanced Levels or above or other equivalent language proficiency tests (Please check the English accreditation rules listed in appendix Table 1 for the Doctoral Program of the Department); or take 3 credits of the "English Scientific Paper Writing" course offered by the Department, and the grade is B or above.

3. 自105學年度(含)起入學之博士班學生需修習「學術研究倫理教育課程」，以入學第一學年結束前修習並完成為原則，實施方式依本校「學術研究倫理教育課程實施要點」辦理。修習學術研究倫理教育課程之學生，須在通過線上課程測驗成績達及格標準，並出示修課證明始得申請學位考試。未通過者，須於申請學位考試前補修完成，未完成本課程者，不得申請學位考試。

3. From academic year 2015, all doctoral students must register for the course during their first year of enrollment. According to the regulations governing the implementation of the "Education on Academic and Research Ethics" course at National Dong Hua University, all students taking the course must pass the exams online. Students who fail the exams must re-take the tests and complete all other course requirements before their application of the degree exam. Failing to complete and pass the course, students may not apply for their degree exam.

4. 為執行教育部「大專校院學生雙語化學習計畫」，推動全英語授課，理工學院EMI教師所開設之EMI課程，與本系相同課名或相同性質課程可視為等同課程。請參閱相同或等同課程對照表。

4. In order to implement the Program on Bilingual Education for Students in College (the BEST program) and the English as a Medium of Instruction Teaching Plan (known as the EMI teaching plan), set by the Taiwan Ministry of Education, the EMI courses offered by the EMI teachers of the College of Science and Engineering will be deemed as the same or as the equivalent courses with the same course names or the same course nature offered by the department. Please refer to 「NDHU's Course Equivalency Table (國立東華大學相同或等同課程對照表)」.