

重新查詢

友善列印

### 0971學期 課程基本資料

系所 / 年級	生資系 2年級	課號 / 班別	68U00043 / A
學分數	3學分	選 / 必修	必修
科目中文名稱	遺傳學	科目英文名稱	Genetics
主要授課老師	胡若梅	開課期間	一學期
人數上限	52 人	已選人數	52人

### 起始週 / 結束週 / 上課地點 / 上課時間

第1週 / 第18週 / L009 / 星期1第08節  
第1週 / 第18週 / L009 / 星期1第09節  
第1週 / 第18週 / L009 / 星期1第10節

請各位同學遵守智慧財產權觀念；請勿非法影印。

### 教學綱要

- 一、教學目標(Objective) This course will let students have a basic understanding of various principles of genetics. Students will be able to utilize the acquired knowledge to perform tasks in bioinformatics in a later time.
- 二、先修科目(Pre Course)
- 三、教材內容(Outline) This course is designed for non-biology major students. It will cover classical, molecular and population genetics. In addition, genomics will be introduced.
- 四、教學方式(Teaching Method) Lectures will be aided with Power Point. However, students are required to take some notes during the lecture. Certain materials will be put on a web site to be announced later.
- 五、參考書目(Reference) molecular biology of the gene J. D. Watson et. el. Pearson

2008/9/16 introduction to genetics, mitosis and meiosis  
2008/9/23 Mendelian genetics  
2008/9/30 Mendelian genetics  
2008/10/7 extension of Mendelian genetics  
2008/10/14 chromosome mapping in eukaryotes  
2008/10/21 sex chromosome and chromosome mutation  
2008/10/28 extranuclear inheritance  
2008/11/4 DNA structure and analysis

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六、教學進度(Syllabi)	2008/11/11 Mid-term examination	周文剛
	2008/11/18 regulation of gene expression in prokaryotes I	周文剛
	2008/11/25 regulation of gene expression in prokaryotes II	周文剛
	2008/12/2 regulation of gene expression in eukaryotes I	周文剛
	2008/12/9 regulation of gene expression in eukaryotes II	周文剛
	2008/12/16 cell cycle regulation and cancer	周文剛
	2008/12/23 genomic analysis: recombinant DNA technology, genomics	周文剛
	2008/12/30 population genetics	周文剛
	2009/1/6 evolutionary genetics	周文剛
	2009/1/13 Final examination	周文剛

七、評量方式(Evaluation) There will be two examinations and some assigned works. The final grade will be determined by the two scores(70%) and the assigned works and attendance (30%).

八、講義位址(<http://>)

九、教育目標

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