

# 101 學年度第一學期 Bioinformatics

授課年級：各學院研究所學生。

修課人數：限 75 名。

時間：星期三，2 - 4 節 (9 : 10AM - 12 : 00 PM)

地點：醫學院圖書館電腦教室

教科書：使用自編的講義

課程目的：藉由個案分析、範例練習中學習網路程式的功能及其應用

協調老師：孫孝芳 (Phone: 3648); 蔡少正 (Phone: 5426)

參考書：

1. Bioinformatics Basics: Applications in biological science and medicine (Rashidi & Buehler, 2005, 2nd Edition, CRC Press)
2. Bioinformatics: Sequence and Genome Analysis (David W. Mount, 2004, 2nd Edition, CHSL Press)

備註：本課程不舉行考試，以課後作業為評分之依據。

Date	Lecturer	Topic
2012-09-19	孫孝芳/蔡少正	Course Introduction
2012-09-26	圖書館	Databases resources in NCKU medical library
2012-10-03	蔡少正	Introduction to Bioinformatics
2012-10-17	蔡少正	Primer design: programs and application
2012-10-24	孫孝芳	Sequence analysis
2012-10-31	孫孝芳	RNA/DNA, Translation &Protein analysis
2012-11-07	王育民	Promoter and transcription factor analysis
2012-11-14	劉宗霖	UTR motifs and microRNA analysis
2012-11-21	陳淑慧	Bioinformatics for proteomic analysis
2012-11-28	曾大千	GEO & microarray data analysis
2012-12-05	孫孝芳	Online Integrated Bioinformatics tools
2012-12-12	蔡少正	Introduction of Software package I
2012-12-19	孫孝芳	Introduction of Software package II
2012-12-26	孫孝芳/蔡少正	Introduction of Software package III
2013-01-02	孫孝芳/蔡少正	Project Presentation/Discussion
2013-01-09	孫孝芳/蔡少正	Project Presentation/Discussion
2013-01-16	孫孝芳/蔡少正	Project Presentation/Discussion