

102-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	基因體學	Serial No. / ID	3008 / MBR5067
Dept.	分子生物科技學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	柳源德	Full or Part-time	專任
Required / Credit	Optinal / 2	Graduate Class	No
Time / Place	(五)56 / J301-3	Language	Chinese

Introduction
The course is mainly to discuss ways to explain and periodicals for students to understand the current genomic-related knowledge. Genomics in the study of ecological and biological information on the biological role of the development of technology and attention. With this course students will learn about genomics research principles, methods and applications of the research.

Outline
1.Introduction 2.Mapping genomes 3.The human genome project 4.Animal genome projects 5.Plant genome projects 6.Microbial genome projects 7Automatic DNA sequencing 8.Genome sequencing 9.The nature of single nucleotide polymorphisms 10.Microarrays 11.RNA sequencing 12.Single-gene analyses 13.Properties of trans c r i p t o m e s 14.Functional proteomics 15.Functional genomics

Prerequisite
Students attend the University of subjects studied must be part of sub-biological or biotechnology-related courses.