

102-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	分子生物技術鑑定	Serial No. / ID	2420 / BRI3027
Dept.	生物資源學系	School System / Class	大學日間部4年1班
Lecturer	林重宏	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	Yes
Time / Place	(二)56 / J305 (三)1 / J305	Language	Chinese

Introduction

Basic biotechniques, for example Polymerase Chain Reaction (PCR), cloning, DNA sequence and genomics, would be introduced and how these techniques are applied to agriculture, medicine and biodiversity, etc. The goal of the course is the student should be equipped with the knowledge of those techniques and the knowledge to apply.

Outline

DNA methods (PCR, cloning, and sequencing), RNA methods (transcriptome), genomics, protein techniques, immuno analysis, cell biology, microarray and papers reading.

Prerequisite

It would be better students have taken the molecular biology and biochemistry courses.