

97-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	微生物學實驗	Serial No. / ID	0435 / BTI1091
Dept.	生物產業科技學系	School System / Class	大學日間部1年3班
Lecturer	李建興	Full or Part-time	兼任
Required / Credit	Required / 1	Graduate Class	NO
Time / Place	(二)234 / H623	Language	Chinese

Introduction
Teaching the basic technique and application of general microbiology. Students are expected to become familiar with (1) observation of microorganisms by microscopy, (2) preparation of media and culturing, (3) the utilization of stains to observe microbial structures and other tests for microbial identification, and (4) Analysis of biochemical activity of Microorganisms.

Outline
An introduction to experimental techniques in microbiology. The exercises include cultivation and various staining techniques, isolation, identification and biochemical activities. Three hours of laboratory per week. A brief lecture will be given prior to each experiment. A team of five students are expected to construct or set up their own experiment. Materials are usually prepared by a laboratory assistant. Students are expected to learn a lot of laboratory techniques. The result of each experiment should be recorded and discussed.

Prerequisite
NO