

## 97-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	微生物學實驗	Serial No. / ID	0515 / MBI2091
Dept.	分子生物科技學系	School System / Class	大學日間部2年1班
Lecturer	劉淑瑛	Full or Part-time	專任
Required / Credit	Required / 1	Graduate Class	NO
Time / Place	(一)N56 / J515	Language	Chinese

### Introduction

Students will have hands-on opportunity on basic microbiological techniques covering isolating, culturing, characterizing, & staining techniques of microorganisms, microscopic examination & measurement of living and stained cell preparations, differential and selective media culture, the Kirby-Bauer antibiotic sensitivity test, quantitative analysis of water, microbial flora of the mouth and skin etc.

### Outline

1. Basic laboratory techniques for isolation, cultivation, and cultural characterization of microorganisms
2. Microscopy
3. Bacterial staining
4. Biochemical activities of microorganisms
5. Microbiology of water
6. Immunology

### Prerequisite

Basic knowledge in microbiology