

101-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	環境工程生物原理	Serial No. / ID	1805 / UDR5010
Dept.	環境工程學系博士班	School System / Class	研究所博士班1年1班
Lecturer	張玉明	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(三)ABC / H443	Language	English

Introduction
Microbial activities that occur in natural and engineered environments are scientifically analyzed. Sound microbiological principles are discussed so that students who are being trained in the environmental engineering are led to directing their works to biotechnology in environmental protection. Microbiological principles and practical technique are brought together to enhance success in their applications to environmental protection.

Outline
The Life-Supporting System Chemical Nature of Organic Matter General Microbiology Quantitative Description of Growth Metabolism of Microorganisms Metabolism of Microorganisms (cont.) Bioreactors Technological Control of Water Quality

Prerequisite
Microbiology, physics, chemistry