

## 99-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	環境工程生物原理	Serial No. / ID	2691 / GEN5428
Dept.	工學院碩士在職專班	School System / Class	碩士在職專班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 / H566	Language	English

Introduction
<p>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.</p>

Outline
<p>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</p>

Prerequisite
Microbiology, physics, chemistry