

98-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	環境微生物學	Serial No. / ID	1660 / BTI3030
Dept.	生物產業科技學系	School System / Class	大學日間部2年2班
Lecturer	吳建一	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	NO
Time / Place	(二)34 / H560 (三)6 / H560	Language	Chinese

Introduction	
The functional role of microorganisms with ecologically and environmentally significance is conveyed through the instructor ' s lecture, student ' s presentation and group discussion on specific topics of environmental microbiology.	

Outline	
<p>In this course, the instructor will firstly introduce the basic content of Environmental Microbiology, including the microbial properties, diversity, function and behavior of microorganisms in natural and engineering systems. In addition, a great emphasis is placed on the biological analytical tools with an aim at conveying research-orientated knowledge to the students. Then, several special topics such as Microorganisms and Metal Pollutants, Microbial Indicators for Water Quality, Microorganisms and Organic Pollutants-Bioremediation and Biodegradation, Microorganisms and Bioenergy, Microbial Consortia-Sludge and Biofilm, will be gave rise to the attention through the student ' s presentation in coupling with the intensive group discussion. The use of the internet, scientific journal articles and web-based tools as a valuable source of up-to-date information will be emphasized.</p>	

Prerequisite	
microbiology	