

# 101-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	應用微生物	Serial No. / ID	0446 / BTI2013
Dept.	生物產業科技學系	School System / Class	大學日間部2年1班
Lecturer	顏裕鴻	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(四)345 / H543	Language	Chinese

Introduction
<p>A. Department of Bioindustry Technology education goals:</p> <ol style="list-style-type: none"> <li>1, training with food / specialty chemicals based biotech industry professional professionals</li> <li>2. nurture the biochemical basis of professional labor biotechnology industry professionals</li> <li>3. to nurture in the Management of the biotechnology industry based professionals</li> </ol> <p>B. Department of Biological Cultivation of Industrial Technology core competencies:</p> <p>Industrial Technology Department of Biology graduate students should have the following core competencies:</p> <ol style="list-style-type: none"> <li>1. biological basis of professional ability of Industrial Technology</li> <li>2. bio-industry expertise technology expertise group</li> <li>3. bio-diversified industrial technology interdisciplinary learning</li> </ol> <p>The subject curriculum objectives:</p> <ol style="list-style-type: none"> <li>1. to help students develop the awareness and interest in Applied Microbiology (A1, A2, B1, B2)</li> <li>2. to help students understand the microbiological methods used in industry and the features and elements (A1, A2, B2, B3)</li> <li>3. to enable students to understand the micro-organisms in the agro-food medicine and other fields of specialization of the specific application of environmental protection and practices (A2, A3, B2, B3)</li> </ol>

Outline
Introduction, microorganisms, microbes general physiology, microbial control, microbial enzymes, microbial enzyme production and purification, food industry and Applied Microbiology, Microbiology and application of GM crops, particularly on industrial and applied microbiology, pharmaceutical industry and applied microbiology, environmental protection industry And Applied Microbiology

Prerequisite
<p>General chemistry</p> <p>General biology</p> <p>Microbiology</p>