

101-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	食品生物技術專論	Serial No. / ID	1335 / BTR5022
Dept.	生物產業科技學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	顏裕鴻	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(二)789 / H544	Language	Chinese

Introduction
<p>A. Department of Bioindustry Technology education goals:</p> <ol style="list-style-type: none"> 1, training with food / specialty chemicals based biotech industry professional professionals 2. nurture the biochemical basis of professional labor biotechnology industry professionals 3. to nurture in the Management of the biotechnology industry based professionals <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"> 1. biological basis of professional ability of Industrial Technology 2. bio-industry expertise technology expertise group 3. bio-diversified industrial technology interdisciplinary learning <p>The subject curriculum objectives:</p> <ol style="list-style-type: none"> 1. to help students understand the variety of food technology used in modern biotechnology (A1, A2, B1, B2, B3) 2. to help students understand the application of biotechnology to food technology advantages, features and points (A1, A2, B1, B2, B3) 3. to enable students to understand biotechnology in food science and technology on the specific application and practice (A2, A3, B2, B3)

Outline
<p>Introduction</p> <p>Genetic engineering and its application in food industry</p> <p>Genetic engineering and its application in food industry</p> <p>Enzyme engineering and its application in food industry</p> <p>Enzyme engineering and its application in food industry</p> <p>Enzyme engineering and its application in food industry</p> <p>Enzyme engineering and its application in food industry</p> <p>Fermentation Engineering and its Application in Food Industry</p> <p>Fermentation Engineering and its Application in Food Industry</p> <p>Fermentation Engineering and its Application in Food Industry</p> <p>Cell engineering and its application in food industry</p> <p>Cell engineering and its application in food industry</p>

Biotechnology Applications in Beverage Industry
Biotechnology Applications in Beverage Industry
Biosensor and its application in food industry
Biosensor and its application in food industry
Biotechnology in food industrial wastewater treatment applications
Biotechnology in food industrial wastewater treatment applications

Prerequisite

General chemistry
Microbiology
Introductory biotechnology
Food chemistry
Food processing