

102-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	精油化學與技術	Serial No. / ID	2635 / BTR5046
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	許家言	Full or Part-time	兼任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(一)234 / H542	Language	Chinese

Introduction
<p>This course focuses on essential oil chemistry related theoretical description in detail, in order to assist students in the field of cosmetic related chemistry of essential oils have a better understanding. Consider non-chemical expertise needs of the students, the course taken by the instructions easy to understand manner, the chemical composition of the essential oils, based on different chemical species are as to enable students to understand the way, by understanding the chemical composition of essential oils to to understand the effectiveness of essential oils, and introduced by "gas chromatograph mass spectrometer" analyze the chemical composition of essential oils and their composition technology.</p>

Outline
<ol style="list-style-type: none"> 1. Alkenes 2. Acids 3. Alcohols 4. Aldehydes 5. Esters 6. Ketones 7. Phenols 8. Ethers 9. Oxygenates 10. Other compounds 11. Oil quality control and analysis methods

Prerequisite
<p>1 Botany: understanding of the classification of plants, plant cultivation and management techniques.</p> <p>2 Organic Chemistry: to understand the types of organic compounds, functional groups with the features, functions.</p> <p>3. Plant secondary metabolites: understanding of plant secondary metabolites, source, chemical composition, and metabolites applications.</p>