

# 101-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	精油基礎化學	Serial No. / ID	2021 / MHI2028
Dept.	藥用植物與保健學系	School System / Class	大學日間部2年1班
Lecturer	謝文章	Full or Part-time	專任
Required / Credit	Optinal / 2	Graduate Class	No
Time / Place	(四)34 / H444	Language	Chinese

Introduction
A serious study on a romantic subject that entrapping our attention on the fragrance is called the General Chemistry of Essential Oils. This course is focused on using the science we have learned from Botany, Chemistry and Organic Chemistry to study the production, biosynthesis, extraction and classification of essential oils. We will put emphasis on the function of a few selected essential oils.

Outline
<ol style="list-style-type: none"><li>1. Basic chemistry and essential oil</li><li>2. Basic botany</li><li>3. Essential oils ( = Essences = Volatile oils = Ethereal oils )</li><li>4. Essential oils accumulate in plants</li><li>5. Biosynthesis of essential oils</li><li>6. Physical properties of Essential Oils</li><li>7. Chemical compositions of the essential oil I</li><li>8. Chemical compositions of the essential oil II</li><li>9. Chemical compositions of the essential oil III</li><li>10. Classification of essential oils</li><li>11. Methods of isolation of essential oils</li><li>12. Safety and function of Essential oils</li><li>13. Plants used as source of essential oils I</li><li>14. Plants used as source of essential oils II</li><li>15. Plants used as source of essential oils III</li><li>16. Perfume, cologne,</li><li>17. Essential oils: their antibacterial properties and potential applications in foods</li><li>18. The potential of botanical essential oils for insect pest control</li></ol>

Prerequisite
Botany or Biology, Chemistry, Organic Chemistry