

102-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	基底油概論	Serial No. / ID	2160 / CBW1012
Dept.	藥妝生技美容產業訓練科	School System / Class	海外青年技術班1年1班
Lecturer	周娉	Full or Part-time	兼任
Required / Credit	Required / 2	Graduate Class	No
Time / Place	(四)56 / H340	Language	Chinese

Introduction
The course introduces the basic principles in materials science and engineering related to materials structure, properties and processing. The goal of this course will provide students with the basic knowledge about crystal structure, diffusion, solidification, phase diagram and microstructure development during heat treatment. Also, introduce the practical applications and new development of engineering materials.

Outline
<ol style="list-style-type: none">1. Inroduction2. Atomic structure and Bonding3. Crystal structure4. CRystallographic points, directions, and planes5. X-ray diffraction6. Defects in solids7. Phase diagram8. Iron-carbon phase diagram9. Solidifacation and phase transformation10. Heat treatment in iron and steel

Prerequisite
Basic Physics and Chemistry