

# 100-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	材料科學與工程導論(一)	Serial No. / ID	0834 / MS11007
Dept.	材料科學與工程學系	School System / Class	大學日間部1年1班
Lecturer	何文福	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	No
Time / Place	(一)78 / H443 (二)9 / H443	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 crystalline structure and defect of materials. Also, introduce the practical applications and new development of engineering materials.

Outline
<ol style="list-style-type: none"><li>1. Intraduction</li><li>2. Atomic structure and Bonding</li><li>3. Crystal structure</li><li>4. CRystallographic points, directions, and planes</li><li>5. X-ray diffraction</li><li>6. Defects in solids</li></ol>

Prerequisite
Basic Physics and Chemistry