

# 101-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	鈦合金材料特性與應用	Serial No. / ID	0891 / MSI3019
Dept.	材料科學與工程學系	School System / Class	大學日間部3年1班
Lecturer	何文福	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(五)234 / H441	Language	Chinese

Introduction
<ol style="list-style-type: none"><li>1. Provide an understanding of the manufacturing, structure and properties of titanium.</li><li>2. Provide an understanding of the development and alloy design theory of titanium.</li><li>3. Provide an understanding of the processing, casting, heat treatment and surface treatment.</li><li>4. Provide an understanding of the applications of titanium.</li></ol>

Outline
<ol style="list-style-type: none"><li>1. Development and classification of titanium</li><li>2. Alloy design theory of titanium</li><li>3. Manufacture methods of titanium</li><li>4. Processing of titanium</li><li>5. Casting of titanium</li><li>6. Heat treatment of titanium</li><li>7. Surface treatment of titanium</li><li>8. Applications of titanium</li></ol>

Prerequisite
Introduction to Materials Science and Engineering, Mechanical Properties of Materials