

102-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	生醫材料	Serial No. / ID	0986 / MSI3012
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 / H537	Language	Chinese

Introduction

This course will be told from the basic knowledge of materials science. The topics of this course include biomaterials of hard organization and soft tissue. In addition, it will also cover the popular and interesting fields about nano-technology in biomedical engineering. This course will make students have preliminary understanding on the application of the medical industry. The students will not only get the knowledge of biomaterials, but also assess the possibility of entering the medical industry in the future.

1. Provide an understanding of the definition of biomaterials.
2. Provide an understanding of the structure and properties of materials.
3. Provide an understanding of the characteristics and properties of biomaterials.
4. Provide an understanding of the applications of biomaterials.

Outline

1. Introduction to biomaterials
2. Types and characteristics of biomaterials
3. Applications of biomaterials
4. Term report on special topics

Prerequisite

Introduction to Materials Science and Engineering