

101-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	材料科技與生活J1	Serial No. / ID	0152 / CDC6914
Dept.	共同教學中心	School System / Class	大學日間部6年2班
Lecturer	李弘彬	Full or Part-time	專任
Required / Credit	Optinal / 2	Graduate Class	NO
Time / Place	(五)34 / H228	Language	Chinese

Introduction

Materials science and technology in modern life, plays an important role, can be said that the development of technology and materials are closely related. This course will cover the current popular nanomaterials, MEMS materials, green energy materials, biological materials, electronic materials and materials for students on the relevance of science and technology and living a more complete understanding of Humanities and Sciences for a full Combination of general education.

Outline

1. Introduction to Nanotechnology
2. the nature of the phenomenon Nano
3. the application of nanomaterials in the life
4. application of nanomaterials in the display
5. the self-assembly of biological materials
6. medical engineering applications in materials science
7. the historical development of materials
8. material type de s c r i p t ion and future development
9. Introduction of MEMS Materials
10. Application of MEMS Materials
11. green energy applications
12. Solar and wind energy applications
13. Fuel cell applications

Prerequisite

no