# 朝陽科技大學 095學年度第1學期教學大綱
# Introduction of Materials 材料科學導論

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| 當期課號 | 1582 | Course Number | 1582 |
| 授課教師 | 石燕鳳 | Instructor | SHIH,YENG FONG |
| 中文課名 | 材料科學導論 | Course Name | Introduction of Materials |
| 開課單位 | 應用化學系(四日)二A | Department | |
| 修習別 | 選修 | Required/Elective | Elective |
| 學分數 | 2 | Credits | 2 |
| 課程目標 | 讓學生了解材料之基本結構、構造及性質 | Objectives | This course is intended for students to be familiar with the basic structures and properties of materials. |
| 教材 | William D. Callister,Jr. "Materials Science and Engineering An Introduction" | Teaching Materials | |
| 成績評量方式 | 課程參與及學習態度(10%)<br>作業及小考 (30 %)<br>期中考 (30%)<br>期末考 (30%) | Grading | Attendance (10%)<br>Assignments/Quizzes (30 %)<br>Midterm exam (30%)<br>Final exam (30%) |
| 教師網頁 | | | |
| 教學內容 | 1.原子構造與原子間鍵結。<br>2.晶體構造。<br>3.晶體缺陷。<br>4.金屬機械性質。<br>5.相圖。<br>6.材料(熱光電磁)性質。 | Syllabus | 1.Atomic structure and interatomic bonding.<br>2.The structure of crystalline solids.<br>3.Crystal defects.<br>4.The mechanical properties of metals.<br>5.Phase diagrams.<br>6.Proterties of materials. |

尊重智慧財產權，請勿非法影印。