



## 課 綱 Course Outline

### 材料科學與工程學系一般組

中文課程名稱 Course Name in Chinese	英文科技論文寫作				
英文課程名稱 Course Name in English	Technical Writing				
科目代碼 Course Code	MS_56040	班 別 Degree	碩士班 Master's		
修別 Type	選修 Elective	學分數 Credit(s)	3.0	時 數 Hour(s)	3.0
先修課程 Prerequisite					

#### 課程目標 Course Objectives

The objectives of the course are: to teach students basic skills of technical writing, to show different forms of communications, to teach how to write proposals, memos, CVs, journal articles.

#### 系教育目標 Dept.'s Education Objectives

1	建立專業知識基礎 Set the professional knowledge foundation
2	培養專業實驗技能 Train the professional experimental skill
3	養成獨立研究能力 Insure capability of independent research
4	養成優質社會人格 Form the positive social character
5	開展國際視野 Develop global vision

系專業能力 Basic Learning Outcomes		課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.'s Education Objectives
A 具備材料科學所需的進階物理、化學及數學的知識。 Acquire required advanced physical, chemical, and mathematic knowledge for materials science and engineering.		

B	具備材料科學的進階專業知識，並能應用於解決工程上之問題。 Acquire required advanced professional knowledge for materials science and engineering, applicable in solving engineering problems	
C	具備獨立研究之能力。 Equipped with capabilities of independent research.	○
D	具備專業道德及責任感，與良好的溝通及團隊合作的能力。 Acquire professional morality and responsibility, and capability of quality communication and team cooperation.	○
E	具備進階的英文能力，應用於學習與交流。 Acquire English capability used for learning and interaction.	●

圖示說明 Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated

課程大綱 Course Outline
The course will teach basic skills of technical communications
資源需求評估 (師資專長之聘任、儀器設備的配合 . . . 等) Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)
Computer class for one lecture
課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods
The course requires basic knowledge of English. The suggested teaching method is mix of lectures and practical exercises (writings).
其他 Miscellaneous
平時成績 General Performance: 20% 作業成績 Homework and/or Assignments: 20% 其他 Miscellaneous: (reports) 60% There will be not mid-term and final exams. Instead, students will have to write reports.