



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	具備適當的英文能力，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.