



課 綱 Course Outline

物理學系應用物理碩士班一般組

中文課程名稱 Course Name in Chinese	書報討論(一)									
英文課程名稱 Course Name in English	Colloquium (I)									
科目代碼 Course Code	APH_50300	班 別 Degree	碩士班 Master's							
修別 Type	必修 Required	學分數 Credit(s)	1.0	時 數 Hour(s)	2.0					
先修課程 Prerequisite										
課程目標 Course Objectives										
於專題學術演講中吸取最新之物理及科學新知。										
系教育目標 Dept.'s Education Objectives										
1	培養具有研發能力的高科技人 Essential training of professionals for research and development knowledge-intensive industries.									
2	培養繼續進修的物理人才 Inspiring young people to take a higher education program in physics.									
3	厚植本系所及理工學院之教學與研究水準 Promoting the teaching and researching potential of the department and the college									
4	培養物理專業研究人才 Professional training in physics research.									
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	具備物理與相關應用領域之專業知識 Possessing professional knowledge in physics and related application fields.									
B	能以物理知識與邏輯推理，分析解決物理問題 Being able to analyze and solve physics problems based on basic knowledge in physics as well as logical reasoning.									
C	瞭解當代實驗儀器之原理，並具備操作實驗儀器之能力 Understanding the principles of up-to-date equipment and being able to operate them for performing physics experiments.									

D	能利用電腦處理各類物理問題 Being able to use computers for solving various physics problems.	
E	對學術倫理有清楚正確之認知 Properly and clearly acknowledging the academic ethics.	●
F	具備以口頭報告及論文寫作發表研究成果之能力 Possessing the skills of oral presentation and scientific writing for publishing research findings.	●
G	具備科技發展之國際觀及外語溝通能力 Having an international view of the technology developments and being able to use a foreign language for communications.	●

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

課程大綱 Course Outline
1. 專題學術演講 2. 專題心得報告撰寫 3. 科學論文格式介紹與寫作訓練 4. 科學論文索引方法 5. 表達能力訓練
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.)
邀請專業領域之演講者、相關期刊及圖書。資料整理所需之電腦、影印機、討論所需之投影機、幻燈機。
課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods
參與專題學術演講，課堂講授，討論，心得報告撰寫。
其他 Miscellaneous
本課為碩士班課程，撰寫報告之要求與大學部書報討論課程不同。