



教學計劃表 Syllabus

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|--|---|-----------------------------|---------------------------------|---|
| 課程名稱(中文) Course Name in Chinese | 力學演習(二)AA | | 學年/學期 Academic Year/Semester | 113/1 |
| 課程名稱(英文) Course Name in English | Mechanics recitation (II) | | | |
| 科目代碼 Course Code | PHYS3253AA | 系級 Department & Year | 學二 | 開課單位 Course-Offering Department |
| 修別 Type | 學程 Program | 學分數/時間 Credit(s)/Hour(s) | 1.0/1.0 | |
| 授課教師 Instructor | /黃玉林 | | | |
| 先修課程 Prerequisite | | | | |
| 課程描述 Course Description | | | | |
| 見東華e學苑 | | | | |
| 課程目標 Course Objectives | | | | |
| 配合力學(二)授課，以例題講解與習作深理解，落實理論知識於解決問題之實務演練。 | | | | |
| 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 | 具備物理之基礎背景知識Possessing fundamental knowledge in physical sciences. | | | ● |
| B | 能運用基本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 | 對目前測量器材有基礎認識，且具有操作物理實驗儀器的能力Being acquainted with modern equipment and being able to operate them for performing physics experiments. | | | |
| D | 能使用基礎電腦程式語言解決物理問題Being able to use basic computer programming for solving physics problems. | | | ○ |
| E | 善用各種資訊平台進行論文資料蒐集的能力Being able to use various platforms for data collection benefiting a topical research. | | | ○ |
| F | 具備科技發展的國際視野以及外語溝通的能力Having an international view of the technology developments and being able to use a foreign language for communications | | | |
| G | 能整合物理與其它領域知識Being able to integrate the knowledge of physics with that of other fields. | | | ○ |
| 圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated | | | | |
| 授課進度表 Teaching Schedule & Content | | | | |
| 週次Week | 內容 Subject/Topics | | | 備註Remarks |
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |

| | | |
|----|--------------------|--|
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | 期中考試週 Midterm Exam | |
| 10 | | |
| 11 | | |
| 12 | | |
| 13 | | |
| 14 | | |
| 15 | | |
| 16 | | |
| 17 | | |
| 18 | 期末考試週 Final Exam | |

教學策略 Teaching Strategies

- 課堂講授 Lecture 分組討論 Group Discussion 參觀實習 Field Trip
 其他 Miscellaneous:

教學創新自評 Teaching Self-Evaluation

創新教學 (Innovative Teaching)

- 問題導向學習 (PBL) 團體合作學習 (TBL) 解決導向學習 (SBL)
 翻轉教室 Flipped Classroom 磨課師 Moocs

社會責任 (Social Responsibility)

- 在地實踐 Community Practice 產學合作 Industry-Academia Cooperation

跨域合作 (Transdisciplinary Projects)

- 跨界教學 Transdisciplinary Teaching 跨院系教學 Inter-collegiate Teaching

- 業師合授 Courses Co-taught with Industry Practitioners

其它 other:

學期成績計算及多元評量方式 Grading & Assessments

| 配分項目 Items | 配分比例 Percentage | 多元評量方式 Assessments | | | | | | | |
|-------------------------------------|--------------------|--------------------|----------|----------|----------|----------|----------|----------|----|
| | | 測驗 會考 | 實作 觀察 | 口頭 發表 | 專題 研究 | 創作 展演 | 卷宗 評量 | 證照 檢定 | 其他 |
| 平時成績 General Performance | | | | | | | | | |
| 期中考成績 Midterm Exam | | | | | | | | | |
| 期末考成績 Final Exam | | | | | | | | | |
| 作業成績 Homework and/or Assignments | | | | | | | | | |
| 其他 Miscellaneous (_____) | | | | | | | | | |

評量方式補充說明

Grading & Assessments Supplemental instructions

教科書與參考書目 (書名、作者、書局、代理商、說明)

Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)

課程教材網址(含線上教學資訊, 教師個人網址請列位於本校內之網址)

Teaching Aids & Teacher's Website(Including online teaching information.
Personal website can be listed here.)

其他補充說明 (Supplemental instructions)