

## 110-113 學年度入學新生課程規劃表(碩士班)

### 必修科目 Required Course

| 科目 Course title                  | 學分 Credits | 開課年級 Years |
|----------------------------------|------------|------------|
| 量子力學 (一)<br>QUANTUM MECHANICS(I) | 3          | 1          |
| 書報討論 (一) SEMINAR (I)             | 2          | 1          |
| 書報討論 (二) SEMINAR (I I)           | 2          | 1          |
| 論文 THESIS                        | 0          | 2          |

### 選修科目 Elective Courses

| 科目 Course title                                                | 學分 Credits | 開課年級 Years |
|----------------------------------------------------------------|------------|------------|
| 量子力學 (二)<br>QUANTUM MECHANICS (II)                             | 3          | 1          |
| 光電材料模擬<br>ATOMISTIC SIMULATION OF<br>OPTOELECTRONIC MATERIALS  | 3          | 1          |
| 凝態物理<br>CONDENSED MATTER PHYSICS                               | 3          | 1          |
| 物理數學方法<br>SELECTED TOPICS IN PHYSICAL<br>MATHEMATICS           | 3          | 1          |
| 電動力學 (一)<br>ELECTRODYNAMICS (I)                                | 3          | 1          |
| 電動力學 (二)<br>ELECTRODYNAMICS (II)                               | 3          | 1          |
| 古典力學<br>CLASSICAL MECHANICS                                    | 3          | 1          |
| 統計力學<br>STATISTICAL MECHANICS                                  | 3          | 1          |
| 同步輻射概論<br>INTRODUCTION OF SYNCHROTRON<br>RADIATION             | 3          | 1          |
| 奈米與半導體應用<br>PHYSICS OF NANO-MATERIALS AND<br>THEIR APPLICATION | 3          | 2          |

◎系訂選修課程依當學期開課課程為主, 以上列表僅供參考。

The elective courses are subject to change. The above list is for reference only.

(1) 系所訂必修:科目總學分數:9 學分

Department-specific Compulsory Courses: 9 credits

※ 「研究方法與學術倫理」為院共同選修課程, 為本系所必修課程。

Research Methods and Academic Ethics is a college elective that is required by the department.

(2) 系選修:17 學分

Department-specific Elective Courses:17 credits

畢業總學分數:26 學分

Total Graduation Credits: 26 credits