國立高雄大學應用物理學系碩士班課程結構規劃表

National University of Kaohsiung, Department of Applied Physics, Master's Program Course Structure Plan

【適用 108 學年(含)以後入學新生】

For students admitted in the Academic Year 2019

107 年 10 月 22 日本校 107 學年度第 1 學期第 1 次系課程委員會及 107 年 11 月 06 日 107 學年度第 1 學期第 1 次系務會議通過

Approved on October 22, 2018, during the 1st Department Curriculum Committee Meeting of the 1st Semester of the 107th Academic Year, and on November 6, 2018, during the 1st Department Affairs Meeting of the 1st Semester of the 107th Academic Year.

必修課程名稱 **The Required Courses Title**	**學分** **Credits**	第一學年 **Year 1**		第二學年 **Year 2**		備註 **Notes**
		上 **S1**	下 **S2**	上 **S1**	下 **S2**	
書報討論(一)(二) Seminar I II	0	0	0			
書報討論(三)(四) Seminar III IV	0			0	0	

必修課程：書報討論(1)(2)(3)(4)，零學分。

碩士班開設『必選課程』，本系碩班學生必須選修該課程及其他選修課程，所修學分至少需修滿 24 學分及完成畢業論文。其中，『必選課程』則訂為：專題研究(1)(2)-各 1 學分。自 107 學年度(含)起入學之碩士班學生，以入學第一學年結束前至少修習完成六小時學術倫理教育課程為原則。<請詳閱本校學術倫理教育課程實施要點><台灣學術倫理教育資源中心>

Required Courses:Seminar (1)(2)(3)(4): 0 credits.

The Master's program offers "required elective courses", which must be taken by students in the program along with other elective courses. Students are required to complete a minimum of 24 credits and submit a graduation thesis. Among these, the "required elective courses" are designated as:Research (1)(2): 1 credit each.

Starting from the academic year 2018 (inclusive), Master's students must, in principle, complete at least 6 hours of academic ethics education before the end of their first academic year.

For more details, refer to:

“Guidelines for Academic Ethics Education Courses at the University”

“Taiwan Academic Ethics Education Resource Center”.

備註:

(1)最低畢業學分：24 學分並完成畢業論文。

(2)研究生因研究需要，經各相關系（所）主任之同意得選修他所開授之科目，其學分得列入畢業學分之計算；以同等學力或非相關科系畢業而考取者，依需要加修大學部相關學系開授之科目，其學分不得列入畢業學分之計算。

(3)選修科目可視需要依本班所開科目名稱、學分數及時數而小幅度調整或增開其他專業科目。

(4)學業平均成績與學位考試成績之平均為畢業成績。 關於修課規定若有不足或有誤，請依本校相關規定辦理或洽本系系辦詢問，謝謝。

Notes:

1. **Minimum Graduation Credits**: 24 credits, along with the completion of a master's thesis.
2. Graduate students, if required for research purposes, may enroll in courses offered by other departments (or institutes) with the consent of the respective department (or institute) chair. Credits earned from such courses can be counted toward the graduation credit requirements. However, students admitted with equivalent qualifications or from unrelated fields of study may be required to take undergraduate courses from relevant departments, but these credits will **not** be counted toward the graduation credit requirements.
3. Elective courses may be slightly adjusted or supplemented with additional professional courses as needed, based on the course titles, credit hours, and time allocations offered by the program.
4. The **graduation grade** will be the average of the student's academic performance and the degree examination score.

For any unclear or incorrect information regarding course regulations, please refer to the relevant university policies or contact the department office for clarification. Thank you.

選修課程 Elective courses
半導體元件與物理 I II Physics of Semiconductor Devices I II
固態物理 I II Solid State PhysicsI II
量子力學 I II Quantum Michanics I II
薄膜物理 Physics of Thin Films
磁性物理 Magnetic Physics
應用光譜學 APPLIED SPECTROSCOPY
材料性質量測與分析 Material Characterization and Analyses
綠色能源 Green Energy
半導體製程與設備 Semiconductor Processing and Equipments
有機電致發光二極體 Orgnic Light Emitting-Diodes
發光二極體特論及實驗 Special Topics and Experiments of Light Emitting Diodes
科技英文 I II English for Science and TechnologyI II
太陽能光電 Solar cells
量子物理 III Quantum Physics III

選修課程 Elective courses
磁性薄膜材料與元件 Magnetic Film Materials and Devices
掃描探針顯微術 Scanning Probe Microscopes