

博士班課程地圖

必修：

- 量子力學：6 學分
- 古典力學：3 學分
- 古典電動力學：6 學分
- 統計力學：3 學分
- 書報討論：3 學分

選修：

與論文主修領域相關之本系碩博士班所開設課程（開課代碼 PHC、PHD 字頭）9 學分，及其它領域課程 6 學分（必須含書報討論 3 學分），以上課程不包括「大碩合開課程」。

1. 在規定年限內(2~7 年)，修滿規定之科目與學分。
2. 博士班學生自入學後至少需修滿 18 學分始得畢業，且全部須為碩博合開及博士班科目。逕讀博士學位研究生則至少須修滿 30 學分（其中至少須有 18 學分為碩博合開及博士班科目）。
3. 通過本系規定之博士資格考試、期中研究評量與學位考試。
4. 在學期間，必須至少有 1 篇與博士論文相關之著作在 SCI、SSCI、EI、TSSCI、A&HCI 內之期刊發表或被接受。
5. 畢業前至少擔任助教一學期。（若有相當教學經驗，可向研究生委員會申請抵免）。
6. 完成學術研究倫理教育課程，並通過研習檢定測驗。
7. 完成碩士論文，並通過論文口試。

Doctoral's Course Map

Required :

- Quantum Mechanics : 6
- Classical Mechanics : 3
- Classical Electromagnetism : 6
- Statistical Mechanics : 3
- Seminar : 3

Elective :

At least 9 credits under the master's or doctoral program of the department (with initials of PHC and PHD in the course code) related to the main field of the thesis and 3 credits in other fields. Joint bachelor–master program courses are excluded.

1. Satisfying the requirements of required subjects and acquiring required credits within the prescribed period (2 to 7 years).
2. Doctoral students must acquire at least 18 course credits prior to graduation. These credits must be associated with courses provided to both graduate and doctoral students or solely to doctoral students. Graduate students who enroll directly in the doctoral program must acquire 30 credits (of which at least 18 must be associated with courses provided to both graduate and doctoral students or solely to doctoral students).
3. The PhD candidate qualification examination includes a written examination and midterm research assessment; related implementation regulations are separately stipulated.
4. At least one paper related to the doctoral thesis has been published or accepted by a SCI, SSCI, EI, TSSCI, and A&HCI journal while enrolled in National Taiwan Normal University (Please detail the publication process with the manuscript attached).
5. Serving as a teaching assistant in the department for at least one semester.
6. Completion of an academic research ethics education course and passing a study-certified quiz.
7. Completing a Doctoral's thesis and passing an oral examination.