

# 國立中央大學物理學系博士班學生修課辦法

(Course Requirements for PhD Students of the Department of Physics at National Central University)

附表 (Table of Course Requirement)

修課課程組別 (Group)	必修 (Obligatory Courses)	選修 (Optional Courses)	相關專長 (Field)
A	量子力學 I (Quantum Mechanics I) 量子力學 II (Quantum Mechanics II) 電動力學 I (Classical Electrodynamics I) 電動力學 II (Classical Electrodynamics II) 古典力學 I (Classical Mechanics I) 統計力學 I (Statistical Mechanics I) 物理教學研習 I(Special Topics on Teaching Physics I) 物理教學研習 II(Special Topics on Teaching Physics II)	PH5、PH6、PH7、PH8、PHT 開頭之非專題課程至少四門 ( At least four non-special topic courses starting with PH5, PH6, PH7, PH8, and PHT)	一般物理 (General physics)
B	量子力學 I (Quantum Mechanics I) 電動力學 I (Classical Electrodynamics I) 固態物理 I (Solid State Physics I) 統計力學 I (Statistical Mechanics I) 物理教學研習 I(Special Topics on Teaching Physics I) 物理教學研習 II(Special Topics on Teaching Physics II)	PH5、PH6、PH7、PH8、PHT 開頭之非專題課程至少四門 ( At least four non-special topic courses starting PH5, PH6, PH7, PH8, and PHT)	奈米凝態 (Nano and condensed matter physics)
C	量子力學 I (Quantum Mechanics I) 量子力學 II (Quantum Mechanics II) 電動力學 I (Classical Electrodynamics I) 電動力學 II (Classical Electrodynamics II) 古典力學 I (Classical Mechanics I) 量子場論 (Quantum Field Theory ) 物理教學研習 I(Special Topics on Teaching Physics I) 物理教學研習 II(Special Topics on Teaching Physics II)	PH5、PH6、PH7、PH8、PHT 開頭之非專題課程至少四門 ( At least four non-special topic courses starting with PH5, PH6, PH7, PH8, and PHT)	高能與重力 (High-energy and gravitation)
D	物理教學研習 I(Special Topics on Teaching Physics I) 物理教學研習 II(Special Topics on Teaching Physics II)	PH5、PH6、PH7、PH8、PHT 開頭之非專題課程 10 門 ( At least ten non-special topic courses starting with PH5, PH6, PH7, PH8, and PHT)	複雜系統 (Complex systems)

註：學生於博士班入學前，所修習上述課程成績達 70 分（含）以上者均可依抵免辦法申請免修。

( P.S.: Students can apply for course waiver for courses taken before entering the PhD program with a grade of at least 70 (see Regulation of Credit Transfer for the Doctoral Program). )