

國立中央大學

物理學系博士學位候選人之資格與資格考試辦法

75.10.16 系務會議通過
77.01.26 系務會議修正通過
79.10.19 系務會議修正通過
82.04.27 系務會議修正通過
83.01.11 系務會議修正通過
83.03.15 系務會議修正通過
86.06.25 系務會議修正通過
87.03.10 系務會議修正通過
89.11.20 系務會議修正通過
89.12.07 系務會議修正通過
91.02.26 系務會議修正通過
96.11.20 系務會議修正通過
97.06.03 系務會議修正通過
97.06.11 教務會議修正通過
98.02.24 系務會議修正通過
98.03.25 教務會議核備
100.10.11 物理系系務會議通過
101.01.11 教務會議核備
102.01.08 物理系系務會議通過
102.03.20 教務會議修正通過
110.06.29 物理系課程委員會會議修正通過
110.07.08 物理系系務會議通過
111.01.12 教務會議核備

第一條本辦法依本校「博士班、碩士班研究生學位考試細則」第二條規定訂定之。

第二條 本系博士學位候選人之資格須符合下列一至五項條件：

一、達到「國立中央大學物理學系碩、博士班學生修課辦法」之規定。

二、選定指導教授：

須選定符合本班博碩士論文指導教授暨學位考試委員提聘資格認定標準為指導教授。如欲選擇系外指導教授，須有一名系內共同指導教授，並向系提出書面申請；系主任於接獲申請書三週內就其相關研究領域組成三至五人審查小組，審查議決之。

三、通過資格考試

- (一) 資格考試以口試行之，參加口試的學生針對博士班期間的研究成果與未來的研究計畫作一口頭報告。
- (二) 學生可於每學期向系上提出口試申請，並於該學期內完成口試。
- (三) 口試委員會成員三名，包含指導教授、指導教授邀請委員（其資格與博士學位口試之資格相同）、以及物理系考試委員會建議名單上之一名委員（由指導教授決定）；口試由考試委員會建議名單上之委員召集。選擇系外指導教授者，其共同指導教授須為上述之邀請委員。
- (四) 口試結果由口試委員會多數決決定，並提出書面報告，陳述委員會建議，由物理系存檔備查。
- (五) 資格考以二次為限，必須在博士班入學二年內通過（休學期間不計入），在職生、懷孕生產者得延長一年。
- (六) 未於期限內通過資格考者，應予退學。逕讀博士學位者，經系務會議同意，可轉回碩士班就讀。

四、發表研究成果

申請學位口試前(1)須有兩篇論文在 SCI、SCIE 期刊上被接受或發表；其中一篇

須為第一作者，另外一篇須為研究生中(若由二人以上研究生合著)之第一作者或(2)須有一篇論文在 SCI、SCIE 期刊上被接受或發表；另一篇已投稿 SCI、SCIE 期刊仍在審查中，並經口試委員認可已達 SCI、SCIE 論文之水準，此二篇論文並符合(1)項第一作者之規定，其他種類期刊須經本系課程委員會審議認可。

五、完成博士論文初稿

符合上述一、二、三、四、五項條件，得申請學位口試，口試演講須公告且公開給系上成員參與。

第三條 本辦法如有未盡事宜，依教育部及本校有關規定辦理。

第四條 本辦法經系務會議通過，送教務會議核備後實施，修正時亦同。此辦法實施前已入學學生可選擇本辦法。

National Central University
The Department of Physics
Bylaw of the requirements and the qualifying examination for PhD candidates

Passed by the Department staff meeting on 16 October, 1986
Amended and passed by the Department staff meeting on 26 January, 1988
Amended and passed by the Department staff meeting on 9 October, 1990
Amended and passed by the Department staff meeting on 27 April, 1993
Amended and passed by the Department staff meeting on 11 January, 1994
Amended and passed by the Department staff meeting on 15 March, 1994
Amended and passed by the Department staff meeting on 25 June, 1997
Amended and passed by the Department staff meeting on 10 October, 1998
Amended and passed by the Department staff meeting on 20 November, 2000
Amended and passed by the Department staff meeting on 7 December, 2000
Amended and passed by the Department staff meeting on 26 February, 2002
Amended and passed by the Department staff meeting on 20 November, 2007
Amended and passed by the Department staff meeting on 3 June, 2008
Amended and passed by the Academic Affairs Meeting on June 11, 2008
Amended and passed by the Department staff meeting on 24 February, 2009
Amended and passed by the Academic Affairs Meeting on Mar 25, 2009
Revised and Passed in the Academic Affairs Meeting of Physics Dept. on Oct. 11, 2011
Amended and passed by the Academic Affairs Meeting on Jan. 11, 2012
Revised and Passed in the Academic Affairs Meeting of Physics Dept. on 8 January, 2013
Amended and passed by the Academic Affairs Meeting on 20 March ,2013
Revised and Passed in the Curriculum Committee Meeting of Physics Dept. on June 29, 2021
Revised and Passed in the Academic Affairs Meeting of Physics Dept. on July 08, 2021
Reported to the Academic Affairs Meeting on Jan 12, 2022

- 1 This Bylaw is established in accordance with the “Examination Rules of Degree for Master and Ph.D. Candidates, NCU”.

- 2 Candidates must satisfy the following requirements:
 - 2.1 Satisfy the course requirements defined in “The Physics Department of National Central University Regulation of Course Requirements for Master and PhD Programs.”
 - 2.2 Specify a thesis advisor
Students must select a professor satisfying the Qualification of PhD/Master Thesis Advisor and Degree Examination Committee Member of the Physics Department as their thesis advisor. If the student wants to select a thesis advisor from another department, he/she has to select one from the Department of Physics as the co-advisor and apply in written document to the Department. Within three weeks, the Department Head will convene in accord with the research field of the student an examining committee of three to five people to determine the issue.
 - 2.3 Pass the qualifying examination
 - 2.3.1 The qualifying examination is held in an oral form. A student taking the exam will give an oral presentation on current research results or proposed research projects during his/her PhD study.
 - 2.3.2 Students can apply for the PhD qualifying examination in each year, and complete the qualifying examination within the semester.
 - 2.3.3 The qualifying examination committee consists of three members, including the dissertation advisor, a member invited by the dissertation advisor (whose qualification is the same as in the PhD defense), and a member chosen by the dissertation advisor from a list of faculties recommended by the Department. The committee member recommended by the Department will be the chair of the examination committee. For the student who selects a thesis advisor from another

department, his/her co-advisor is the invited member.

- 2.3.4 The result of the qualifying examination will be decided by majority voting of the examination committee. A report enclosing suggestions from the examination committee will be filed with the Department.
 - 2.3.5 PhD students must pass the qualifying examination within two years after enrollment (except for the period of leave). Students who have full-time jobs or are pregnant can extend for one year.
 - 2.3.6 Students who cannot pass the qualifying examination within the above-mentioned period will be terminated from the program. Those who enter the PhD Program without a master degree may return to the Master Program upon the approval of the Department Faculty Meeting.
- 2.4 Publications
- Before applying for the PhD defense, the student (1) must have at least two papers accepted by or published in SCI SCIE journals, in one of which the student has to be the first author and in the other the student has to be the first author among graduate student authors (if more than one), or (2) has one paper accepted by or published in an SCI SCIE journal, another paper submitted to an SCI SCIE journal, in the reviewing process and reaching the standard of an SCI SCIE paper by the defense committee, where the two papers have to satisfy the first author requirements defined in (1). (Other types of journal need to be deliberated and confirmed by the Curriculum Committee.)
- 2.5 The student has finished the preliminary version of his/her doctoral thesis.

After satisfying Articles 2.1, 2.2, 2.3, 2.4, and 2.5 above, the doctoral candidate can apply for an oral thesis defense. The defense has to be announced and open to people in the Department.

- 3 If this bylaw is anywhere incomplete, students should consult with the related rules set by the University and the Ministry of Education.
- 4 This bylaw will be enforced after approval by the Department staff meeting and being recorded at the Office of Academic Affairs. PhD students who enter the program before the approval of this bylaw may opt to use it.