

**國立中央大學**  
**物理學系生物物理碩、博士班研究生修業辦法**  
**Department of Physics , National Central University**  
**Regulation of Course Requirements for Master and Ph.D. Programs in Biophysics**

98.12.01 生物物理所所務會議通過  
Passed in the Institute Affairs Meeting on Dec. 01, 2009  
99.01.06 教務會議核備  
Reported to the Academic Affairs Meeting of Physics Dept.on Jan. 06, 2010  
99.12.7 物理系系務會議通過  
Revised and Passed in the Academic Affairs Meeting of Physics Dept. on Dec. 07, 2010  
100.01.05 教務會議核備  
Reported to the Academic Affairs Meeting of Physics Dept.on Jan. 05, 2011  
100.10.11 物理系系務會議通過  
Revised and Passed in the Academic Affairs Meeting of Physics Dept. on Oct. 11, 2011  
101.01.11 教務會議核備  
Reported to the Academic Affairs Meeting on Jan. 11, 2012  
104.05.05 物理系系務會議通過  
Revised and Passed in the Academic Affairs Meeting of Physics Dept. on May. 5, 2015  
104.06.24 教務會議核備  
Reported to the Academic Affairs Meeting on Jun. 24, 2015  
105.05.31 物理系系務會議通過  
Revised and Passed in the Academic Affairs Meeting of Physics Dept. on May. 31, 2016  
105.06.01 理學院院務會議通過  
Passed in the Faculty Meeting of College of Science on Jun. 1, 2016  
105.06.15 教務會議核備  
Reported to the Academic Affairs Meeting on Jun. 15, 2016

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。  
This bylaw is in accordance with regulation number two of the “Examination Rules of Degree for Master and Ph.D. Candidates, NCU”.

第二條 碩博士班入學資格與修業年限，依據本校「學則」第三篇規定辦理。  
The qualification and the duration of study of the Master and PhD programs in Biophysics is in accordance with section III of the “National Central University Study Regulations”.

第三條 修課規定  
Course Requirements

一、最低畢業學分：碩士班至少須修滿二十四學分；博士班至少須修滿十八學分；逕修讀博士學位研究生至少須修滿三十四學分（內含至少十八個博士班學分）。研究生在本校修業期間至少要修習一學分以上研究所課程（不含抵免課程）。

24 credits are required for the Master degree, 18 degrees are required for the PhD degree. Graduate students, who are directly pursuing PhD, have to earn a minimum of 34 credits (of which at least 18 must be credit hours earned from doctoral courses). Graduate students have to earn more than 1 graduate credit at National Central University (excluding the waived credits).

二、碩士班應通過以下必修科目、選修科目：

Master students have to pass the following required and selected courses：

(一) 必修科目：

Required courses：

1. 物理教學研習 I 或物理教學研習 II。  
Special Topics on Teaching Physics I or Special Topics on Teaching Physics II.
2. 生物物理。  
Biophysics

(二) 選修科目：

Selected courses：

下列課程至少選修四門：

Students have to select and pass at least 4 of the following courses：

1. 本系或本校生醫理工學院所屬各研究所之 3 學分（含）以上之非專題課程。  
3-credit (or above 3-credit), non-special topic courses offered by the Physics Department or the Graduate Institutes of the College of Health Sciences & Technology at the National Central University.
2. 台灣聯合大學系統相關研究所或經本系主任認可之 3 學分（含）以上非專題課程。（台灣聯合大學系統相關研究所見附件）。  
3-credit (or above 3-credit), non-special topic courses offered by the graduate institutes of the University System of Taiwan listed in the appendix or approved by the director of the Graduate Institute of Biophysics.

修課未達以上要求者不得畢業。

Students must meet the above requirement before graduation.

三、博士班應通過以下必修科目、選修科目：

PhD students have to pass the following required and selected courses：

(一) 必修科目：

Required courses：

1. 物理教學研習 I 與物理教學研習 II。  
Special Topics on Teaching Physics I or Special Topics on Teaching Physics II.
2. 生物物理。  
Biophysics

(二) 選修科目：

Selected courses:

下列課程至少選修九門

Doctoral students have to pass at least 9 of the following courses:

1. 本系或本校生醫理工學院所屬各研究所之 3 學分（含）以上之非專題課程。  
3-credit (or above 3-credit), non-special topic courses offered by the Physics Department or the Graduate Institutes of the College of Health Sciences & Technology at the National Central University.
2. 台灣聯合大學系統相關研究所或經本系主任認可之 3 學分（含）以上之非專題課程（台灣聯合大學系統相關研究所見附件）。  
3-credit (or above 3-credit), non-special topic courses offered by the graduate institutes of the University System of Taiwan listed in the appendix or approved by the director of the Graduate Institute of Biophysics.

修課未達以上要求者不得畢業。

Students must meet the above requirement before graduation.

四、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。

Students can apply for course waiver for courses taken before entering the PhD program with a grade of at least 70 (see The Regulations of Course Requirements for the PhD Programs of the Graduate Institute of Biophysics of the Physics Department of the National Central University).

第四條 論文指導規定依據本校『博士班、碩士班研究生學位考試細則』及『國立中央大學物理學系生物物理碩博士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實施要點』

辦理。

Regulations on degree thesis are listed in “Examination Rules of Degree for Master and Ph.D. Candidates” and Department of Physics, National Central University Guidelines for Qualification of PhD/Master Thesis Advisor and Degree Examination Committee Member for Master and Ph.D. Programs in Biophysics”.

第五條 博士學位候選人資格考核規定依據『國立中央大學物理學系生物物理博士學位候選人之資格與資格考試辦法』規定辦理。

Relations on the qualifying examination for PhD candidates are listed in “National Central University Graduate Institute of Biophysics Bylaw of the Requirements and the Qualifying Examination for PhD Candidates National Central University, Department of Physics Bylaw of the requirements and the qualifying examination for PhD candidates for PhD Program in Biophysics”.

第六條 學位考試之條件與程序依據本校『博士班、碩士班研究生學位考試細則』規定辦理。

Regulations related to the degree examination are accordance with the “Examination Rules of Degree for Master and Ph.D. Candidates, NCU”

第七條 本辦法如有未盡事宜，依教育部及本校有關規定辦理。

If this bylaw is anywhere incomplete, students should consult with the related rules set by the University and the Ministry of Education

第八條 本辦法經系務會議及院務會議通過，並送教務會議核備後實施，修正時亦同。

This regulation will take effect after being approved by the Department & College Affair’s Meeting and then passed by the Academic Affair’s Meeting. The same procedure should be followed if the regulation is to be revised. PhD students who enter the program before the approval of this bylaw may opt to use it.

## 附錄：台灣聯合大學系統相關研究所

### **Appendix: list of the graduate institutes of the University System of Taiwan whose 3-credit non-special topic courses can be chosen as the selected courses for the master and doctoral students**

陽明大學:生醫光電工程研究所與生命科學院各研究所

National Yang-Ming University: Institute of Biophotonics and the Graduate Institutes of the College of Life Sciences.

清華大學: 物理系與生命科學院各研究所

National Tsing Hua University: Department of Physics and the Graduate Institutes of the College of Life Sciences.

交通大學: 電子物理系、物理研究所、與生物科技學院各研究所

National Chiao Tung University: Department of Electrophysics, Graduate Institute of Physics, and the Graduate Institutes of the College of Biological Science and Technology.