

國立臺灣師範大學生命科學系碩、博士班修業暨研究生學位考試規定
Rules Governing Requirements and Master's and Doctoral Degree
Examination, Department of Life Science, National Taiwan Normal
University

中華民國 108 年 5 月 28 日 107 學年度研究生教育委員會第 5 次會議修訂通過

中華民國 108 年 6 月 24 日 107 學年度專業學院院務會議第 4 次會議通過

中華民國 108 年 11 月 28 日 108 學年度研究生教育委員會第 1 次會議修訂通過

中華民國 109 年 1 月 9 日 108 學年度專業學院院務會議第 2 次會議通過

中華民國 109 年 3 月 19 日 108 學年度理學院課程會議第 2 次會議通過

109 年 4 月 22 日 108 學年度第 2 次教務會議修正通過

中華民國 110 年 5 月 27 日 109 學年度研究生教育委員會第 5 次會議修訂通過

Amended by the 5th Graduate Education Committee Meeting, Academic Year 2018-19 on May 28, 2019

Passed by the 4th School of Life Sciences College Affair Meeting, Academic Year 2018-19 on June 24, 2019

Amended by the 1st Graduate Education Committee Meeting, Academic Year 2019-20 on November 28, 2019

Passed by the 2nd School of Life Sciences College Affair Meeting, Academic Year 2019-20 on January 9, 2020

Passed by the 2nd College of Sciences Curriculum Meeting, Academic Year 2019-20 on March 19, 2020

Amended by the 2nd Academic Affairs Meeting, Academic Year 2019-20 on April 22, 2020

Amended by the 5th Graduate Education Committee Meeting, Academic Year 2020-21 on May 27, 2021

第一條 本規定依「國立臺灣師範大學學位授予暨研究生學位考試辦法」訂定之。

Article 1

The Rules are formulated in accordance with the “NTNU Degree Conferral and Graduate Degree Exam Regulations”.

第二條 本系碩士與博士班，分別授予之學位名稱為理學碩士（Master of Science，M. S.）及理學博士（Doctor of Philosophy，Ph. D.）。

Article 2

The degree conferred by the department is Master of Science (M. S.) and Doctor of Philosophy (Ph. D.) respectively.

第三條 指導教授及委員會

(1) 碩士班：

1. 應於第一學年第一學期結束前，就本系專任或合聘之教授、副教授、助理教授中選定指導教授。若須要有共同指導教授，則須經雙方指導教授同意。
2. 選定指導教授之前，導師為暫時之指導教授，輔導學生修業事宜。

(2) 博士班：

1. 應於第一學年第一學期結束前，就本系專任或合聘之教授、副教授中選定指導教授。若須要有共同指導教授，則須經雙方指導教授同意。如有特殊情形者，由指導教授提案至研究生教育委員會議審定。

2. 選定指導教授之前，導師為暫時之指導教授，輔導學生修業事宜。
3. 課程指導委員會，應於第一學年第一學期結束前組成。該委員會由 3 位本系教師(含指導教授)組成，委員名單由指導教授推薦，送研究生教育委員會核備。該委員會負責審查研究生之修業計畫書，並指導其選課及修業。
4. 學生必須於提出畢業口試的前半年，組成論文指導委員會。論文指導委員會由五至七位委員組成(含指導教授及三分之一校外專家)，委員名單由指導教授推薦，送研究生教育委員會核定。該委員會負責審核研究生之論文計畫書。

Article 3

Advisor and advisory committee

1. Master's program

- (1) By the end of the fall semester of the first academic year, an advisor should be selected from among full-time or jointly appointed professors, associate professors, and assistant professors in the Department of Life Science. In the case of co-supervision, the consent of both professors is required.
- (2) Prior to the selection of the advisor, the supervisor will be the temporary advisor to help students with their studies.

2. Doctoral program

- (1) By the end of the fall semester of the first academic year, an advisor should be selected from among full-time or jointly appointed professors and associate professors in the Department of Life Science. In the case of co-supervision, the consent of both professors is required. In case of special circumstances, the advisor shall submit the proposal to the Graduate Education Committee for approval.
- (2) Prior to the selection of the advisor, the supervisor will be the temporary advisor to help students with their studies.
- (3) The Curriculum Advisory Committee shall be formed before the end of the fall semester of the first academic year. The committee is composed of 3 faculty members (including the advisor) of the department. The list of members is recommended by the advisor and submitted to the Graduate Education Committee for reference. The committee is responsible for reviewing Ph. D. students' study plans and helping their course selection and study.
- (4) Students must form a Dissertation Advisory Committee six months before the doctoral defense for graduation. The committee consists of five to seven members (including the advisor and one third of external experts). The list of members is recommended by the advisor and submitted to the Graduate Education Committee for approval. This committee is responsible for reviewing the thesis proposals.

第四條 課程及修業規定

(一) 碩士班：

1. 碩士班修業期限悉依本校學則及相關規定辦理。
2. 學生於在學期間至少應修畢 24 學分，其中包含本系所訂定之必修、必選等科目，修業科目表如附表。
3. 應於入學第一學期結束前，修習並通過學校規定之必修學術倫理課程。
4. 應於申請口試的前一學期提出經指導教授認可之「論文計畫書」(Thesis Prospectus)，送研究生教育委員會審核。

(二) 博士班：

1. 博士班修業期限悉依本校學則及相關規定辦理。
2. 學生於在學期間至少應修畢 24 學分，其中包含本系所訂定之必修、**必選**等科目，修業科目表如附表。
3. 逕修讀博士學位者，應修習包含原博士班規定之必選修學分數，共 30 學分(含碩士班一年可採計之學分)。
4. 應於入學第一學期結束前，通過學校規定之必修學術倫理課程。填妥「博士研究生修業計畫書」，經課程指導委員會認可後，送研究生教育委員會核備。
5. 應依本系規定之格式提出「論文計畫書」(Dissertation Prospectus)，向論文指導委員會口頭報告，經審核認可後，送研究生教育委員會核備。

Article 4

Curriculum and study requirements

1. Master's program

- (1) The duration of the Master's program is subject to the University Guidelines and other relevant rules.
- (2) Students are required to complete at least 24 credits, including required courses and elective courses stipulated in the degree program, as shown in the appendix.
- (3) Students need to complete and pass the required academic ethics course by the end of the fall semester.
- (4) A thesis prospectus approved by the supervising professor should be submitted to the Graduate Education Committee for review one semester prior to the thesis defense.

2. Doctoral program

- (1) The duration of the doctoral program is subject to the University Regulations and other relevant rules.
- (2) Students are required to complete at least 24 credits, including required courses and elective courses stipulated in the degree program, as shown in the appendix.
- (3) Students of direct-entry doctoral programs should take a total of 30 credits including required courses in the original doctoral program (including credits for one year in the Master's program).
- (4) Students need to complete and pass the required academic ethics course by the end of the fall semester. The doctoral proposal submitted by the student should be

approved by the doctoral advisory committee and forwarded to the Graduate Education Committee for reference.

- (5) A student should submit a dissertation prospectus in the format prescribed by the Department, present it to the Dissertation Advisory Committee and submit it to the Graduate Education Committee for approval.

第五條 博士班資格考試

博士班生應於在學第 6 學期結束前，依本系「博士學位候選人資格考試實施要點」之規定，申請參加資格考試，補考者不在此限。

Article 5

Doctoral Qualifying Exam

PhD students should apply for the qualifying examination before the end of the sixth semester in accordance with this Department's "Directives Governing Implementation of Ph. D. Candidate Qualifying Examinations", except for those who retake the examination.

第六條 學位考試

(一) 碩士班：

1. 學生符合下列規定者，得申請學位考試：
 - (1) 修業滿一學期者，或係逕行修讀博士學位回讀碩士班者。
 - (2) 修畢本系規定之應修科目及畢業總學分數，並完成論文研究初稿。
 - (3) 通過公開論文發表認證。
 - (4) 通過論文計畫書審核。
2. 申請應備文件與程序：填具畢業申請書，並檢附歷年成績單、公開論文發表證明、中英文摘要、線上剽竊系統之論文原創性報告及學位論文學術倫理聲明書。
3. 依本校學位授予暨研究生學位考試辦法公布之畢業申請當月 15 日前，向系辦公室提出申請。但因特殊原因經指導教授同意者，不在此限。
4. 由指導教授提供包含自己在內三至五位，且非本校專任教師人數三分之一(含)以上之口試委員名單，口試委員之聘任，需符合下列資格：
 - (1) 現任或曾任教授、副教授、助理教授。
 - (2) 中央研究院院士、現任或曾任中央研究院研究員、副研究員、助研究員。
 - (3) 獲有博士學位，且在學術上著有成就。
 - (4) 研究領域屬於稀少性、特殊性學科或屬專業實務，且在學術或專業上著有成就。
5. 前點(3)及(4)資格之認定，由指導教授提出書面說明後，經研究生教育委員會議核定。

(二) 博士班：

1. 學生符合下列規定者，得申請學位考試：
 - (1) 修業滿一年半者，或係逕行修讀博士學位並已在博士班修業滿一年半者。

- (2) 修畢本系規定之應修科目及畢業總學分數，並完成論文研究初稿。
- (3) 通過資格考試。
- (4) 論文計畫書審核通過後至少六個月。
- (5) 通過公開論文發表認證。
- (6) 於修業期間至少須以第一作者發表與在學研究有關之原始創作論著，單位應以國立臺灣師範大學生命科學系為第一單位，領域規劃如下：
 - i. 至少發表 2 篇收錄於 SCI 期刊上之論文或發明專利。提出發明專利者得由指導教授具名提出推薦，且本校必須為權利人，以一篇專利折抵一篇 SCI 論文。發明專利與期刊論文如屬同一性質之研究成果，或同一發明申請不同國家之專利者，僅得則一抵免。另可以發表一篇最新公佈所屬領域排名前百分之 15，或 Impact Factor 為 3.5(含)以上(以申請畢業口試該年或期刊資料庫公佈之 5 年平均 IF 為計)之 SCI 論文。以上期刊論文與發明專利，均須檢附相關證明資料，並提送研究生教育委員會議審查。
 - ii. 如兩位學生皆屬於同一篇論文之第一作者，且為最新公佈所屬領域排名前百分之 5 以內或 Impact Factor 為 5(含)以上之 SCI 論文，兩人方可共用該論文申請學位口試。
2. 申請應備文件與程序：填具畢業申請書，並檢附歷年成績單、公開論文發表證明、中英文摘要、發表之原創性論文、線上剽竊系統之論文原創性報告及學位論文學術倫理聲明書。
3. 依本校學位授予暨研究生學位考試辦法公布之畢業申請當月 15 日前，向系辦公室提出申請。但因特殊原因經指導教授同意者，不在此限。
4. 由指導教授提供含自己在內五至七位，且非本校專任教師人數三分之一(含)以上之口試委員名單，口試委員之聘任，需符合下列資格：
 - (1) 現任或曾任教授、副教授。
 - (2) 中央研究院院士、現任或曾任中央研究院研究員、副研究員。
 - (3) 獲有博士學位，且在學術上著有成就。
 - (4) 研究領域屬於稀少性或特殊性學科，且在學術或專業上著有成就。
5. 前點(3)及(4)資格之認定，由指導教授提出書面說明後，經研究生教育委員會議核定。

Article 6

Degree examination

I. Master's program

1. Students who meet the following requirements may apply for degree examination:
 - (1) Completed one semester of study or direct-entry Ph. D. students switching to the master's program.
 - (2) Completed the required courses and met the credit requirement of the department, and completed the first draft of the thesis.

- (3) Public thesis publication certified.
- (4) Thesis prospectus approved.
- 2. Documents and procedures for application: The application form should be submitted with results transcripts, published papers, abstracts in both Mandarin Chinese and English, report of online plagiarism checker, and statement of academic ethics of thesis.
- 3. Application should be submitted to the department office by the 15th day of the month of graduation as promulgated by the Degree Conferral and Graduate Degree Exam Regulations. However, with approval of the advisor due to special reasons this restriction shall not apply.
- 4. The advisor shall provide a list of three to five members of the degree examination committee, including himself/herself, and more than one third of the total number of members shall be not full-time faculty members of the university. The degree examination committee members shall have the following qualifications:
 - (1) Current or former professor, associate professor, assistant professor
 - (2) Academician of Academician Sinica, current or former researcher, associate researcher or assistant researcher of Academician Sinica
 - (3) Person with a doctoral degree and academic achievements
 - (4) A person whose field of study or professional practice is a rare or special discipline and who has made academic or professional achievements
- 5. The qualifications of the preceding points (3) and (4) shall be approved by the Graduate Education Committee after written explanation by the advisor.

II. Doctoral program

- 1. Students who meet the following requirements may apply for degree examination:
 - (1) Completed one semester of study or direct-entry Ph. D. students who have completed 1.5 years of the doctoral program
 - (2) Completed the required courses and met the credit requirement of the department, and completed the first draft of the thesis
 - (3) Passed the qualifying examination
 - (4) At least six months after the approval of Thesis Prospectus
 - (5) Public thesis publication certified
 - (6) During the study, the student must at least publish original works related to the research as the first author and with the NTNU Department of Life Science as the first publication unit, the field as follows:
 - i. At least 2 papers published in SCI journals or invention patents. The proposer of the invention patent can be recommended by the advisor under his/her name, and the university must be the patent holder. One

patent can be exchanged for one SCI paper. If the patent and the journal paper research results are the same in nature, or the same invention applied for patents in different countries, only one counts. In addition, you may publish a SCI paper that ranks in the top 15% of your field in the latest ranking or has an Impact Factor of 3.5 or above (based on the 5-year average IF published in the journal database in the year of application for the degree exam). The above journal papers and invention patents should be submitted to the Graduate Education Committee for reference.

- ii. If both students are the first authors of the same paper, and the SCI paper is within the top 5% of the newly published ranking or with the Impact Factor above 5, both students can use the same paper for the degree examination.
2. Documents and procedures for application: The application form should be submitted with results transcripts, published papers, abstracts in both Mandarin Chinese and English, report of online plagiarism checker, and statement of academic ethics of thesis.
3. Application should be submitted to the department office by the 15th day of the month of graduation as promulgated by the Degree Conferral and Graduate Degree Exam Regulations. However, approval by the advisor due to special reasons is not subject to this restriction.
4. The advisor shall provide a list of five to seven members of the degree examination committee, including himself/herself, and more than one third of the total number of members are not full-time faculty members of the university. The degree examination committee members shall have the following qualifications:
 - (1) Current or former professor, associate professor, assistant professor
 - (2) Academician of Academicians Sinica, current or former researcher, associate researcher or assistant researcher of Academicians Sinica
 - (3) Person with a doctor's degree and academic achievements
 - (4) A person whose field of study or professional practice is a rare or special discipline and who has made academic or professional achievements
5. The determination of the qualifications of the preceding points (3) and (4) shall be approved by the Graduate Education Committee after written explanation by the advisor.

第七條 本規定未盡事宜，悉依本校學位授予暨研究生學位考試辦法及學則等相關規定辦理。

Article 7

Anything not covered in the rules shall be subject to the NTNU Degree Conferral and Graduate Degree Exam Regulations, University Guidelines, and other relevant rules.

第八條 本修業規定涉學位授予等畢業條件之規定，經本專業學院院務會議及學院相關會議通過後，送教務會議審議；其餘各項規定經本專業學院院務會議通過後，送教務處備查，修正時亦同。

Article 8

The provisions of the Rules concerning degree conferment and other graduation requirement shall be submitted to the Academic Affairs Meeting for deliberation after being approved by the College Affairs Meeting and other relevant meetings. The other rules shall be submitted to the Academic Affairs Office for reference. The same applies to revisions.

附表：國立臺灣師範大學生命科學系碩、博士班修業科目表
Appendix: Curriculum for Master's and Doctoral Program of
Department of Life Science, National Taiwan Normal University

一、修習總學分數

班別	共同必修學分	組別	領域核心必修	領域進階課程 (選 2 門必修)	領域其他課程	畢業最低總學分
博士班	8	生態組 細胞分子醫學組 生理組	6 學分 5 學分 4 學分	3-6 學分 4-5 學分 6 學分	4-7	24
逕讀博士班	8	生態組 細胞分子醫學組 生理組	6 學分 5 學分 4 學分	3-6 學分 4-5 學分 6 學分	10-13	30
碩士班	4	生態組 細胞分子醫學組 生理組	6 學分 5 學分 5 學分	3-6 學分 4-6 學分 6 學分	8-11	24

1. Total Credits

Program	Common required credits	Group	Core required courses	Core advanced courses (Choose 2 required courses)	Other courses	Minimum total credits for graduation
Doctoral degree	8	Ecology Cellular and Molecular Physiology	6 credits 5 credits 4 credits	3-6 credits 4-5 credits 6 credits	4-7	24
Direct-entry doctoral degree	8	Ecology Cellular and Molecular Physiology	6 credits 5 credits 4 credits	3-6 credits 4-5 credits 6 credits	10-13	30
Master's degree	4	Ecology	6 credits 5 credits	3-6 credits 4-6 credits	8-11	24

		Cellular and Molecular Physiology	5 credits	6 credits		
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二、共同必修課程

班別	科目名稱	學分	年級	備註
博士班/逕讀博士班	專題討論	2	博	必須修過 4 次，共 8 學分
碩士班	專題討論	2	碩	必須修過 2 次，共 4 學分

2. Common Required Courses

Program	Subject	Credits	Doctoral/ Master's	Remark
Doctoral degree/ Direct-entry doctoral degree	Seminar	2	Doctoral	It must be taken 4 times for a total of 8 credits
Master's degree	Seminar	2	Master's	It must be taken twice for a total of 4 credits

三、領域核心必修課程

班別	組別	科目名稱	學分	年級	備註
博士班	生態組	演化生物學	3	碩博	
		進階生態學	3	碩博	
	細胞分子醫學組	細胞及分子生物學	3	碩博	
		實驗生物學研究方法	2	碩博	
	生理組	動物生理學特論(一)	2	碩博	
		實驗生理學	2	碩博	

班別	組別	科目名稱	學分	年級	備註
碩士班	生態組	演化生物學	3	碩博	
		進階生態學	3	碩博	
	細胞分子醫學組	細胞及分子生物學	3	碩博	
		實驗生物學研究方法	2	碩博	
		進階專題討論(一)	0	碩博	在學第3或4學期必修
		進階專題討論(二)	0	碩博	在學第3或4學期必修
	生理組	現代生理學	3	碩	
		實驗生理學	2	碩博	

3. Core Required Courses

Program	Group	Subject	Credits	Doctoral/Master's	Remark
Doctoral	Ecology	Evolutionary Biology	3	Doctoral/Master's	
		Advanced Ecology	3	Doctoral/Master's	
	Cellular and Molecular	Cellular and Molecular Biology	3	Doctoral/Master's	
		Experimental Biology Methods	2	Doctoral/Master's	
	Physiology	Special Topics in Animal Physiology I	2	Doctoral/Master's	
		Experimental Physiology	2	Doctoral/Master's	
Master's	Ecology	Evolutionary Biology	3	Doctoral/Master's	
		Advanced Ecology	3	Doctoral/Master's	
	Cellular and Molecular	Cellular and Molecular Biology	3	Doctoral/Master's	
		Experimental Biology Methods	2	Doctoral/Master's	

Program	Group	Subject	Credits	Doctoral/Master's	Remark
		Advanced Seminar I	0	Doctoral/Master's	Required in semester 3 or 4
		Advanced Seminar II	0	Doctoral/Master's	Required in semester 3 or 4
	Physiology	Modern Physiology	3	Doctoral/Master's	
		Experimental Physiology	2	Doctoral/Master's	

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四、領域進階課程

依入學年度規定之各組擇二必修科目修習。

五、領域其他課程

依每學期開設之選修科目選擇所需要修習之課程。

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4. Core Advanced Courses

Students of each group may choose two required courses according to the regulations of the admission year.

5. Other Courses

Students may choose the courses from the elective courses offered each semester.