國立臺灣師範大學生技醫藥產業碩士學位學程修業暨研究生學位考試規定
113 年（含）以後入學研究生適用

Rules Governing Program Requirements and Thesis Defense, Graduate Program of Biotechnology and Pharmaceutical Industries, National Taiwan Normal University

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。

The rules are formulated in accordance with the "NTNU Degree Conferral and Graduate Degree Exam Regulations".

第二條 本學位學程授予之學位名稱為理學碩士（Master of Science，M. S.）。

The degree conferred by the program is Master of Science (M. S.).

第三條 指導教授及委員會

1. 應於第一學年第一學期結束前，就生命科學系與本學位學程之專任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。

Advisor and Advisory Committee

1. By the end of the fall semester of the first academic year, an advisor should be selected from among full-time professors in the Department of Life Sciences and the program. 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.

第四條 課程及修業規定

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，其中包含本學位學程所訂定之必修、選修等科目，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。

Curriculum and Study Requirements

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 advisor should be submitted to the Graduate Education Committee for review one semester prior to the thesis defense.

第五條 學位考試

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。

5. 前點(3)資格之認定為 5 年內發表 2 篇為第一或通訊作者的 SCI 論文或在相關領域工作累積 10 年以上，於學位考試申請時，一併檢附相關佐證資料，經研究生教育委員會議審定後聘任。

Degree Examination

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, the originality report of online plagiarism systems, and the statement of academic ethics for the degree 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)   A current or former professor, associate professor, assistant professor

    (2)   An Academician of Academician Sinica, current or former researcher, associate researcher or assistant researcher of Academician Sinica

    (3)   A Doctoral degree holder with academic achievements

5.   The qualifications of the preceding points (3) above is to have published two SCI papers as the first or corresponding author within five years or to have worked in the relevant field for more than ten years. When applying for the degree examination, relevant supporting materials must be submitted together. The candidate will be appointed after approval by the Graduate Education Committee.

第六條 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。

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.

第七條 本修業規定涉學位授予等畢業條件之規定，經生命科學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；其餘各項規定經生命科學專業學院院務會議通過後，送教務處備查，修正時亦同。

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 Affair 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技醫藥產業碩士學位學程

修業科目表

Appendix: Curriculum for Graduate Program of Biotechnology and Pharmaceutical Industries, National Taiwan Normal University

一、修習總學分數 Total Credits Requirements

班別 Program	必修課程 Required courses	選修課程 Electives	畢業最低 總學分 Minimum total credits for graduation
碩士班 Master's Program	12 學分 12 credits	12 學分 12 credits	24 學分 24 credits

二、必修課程 Required Courses

科目名稱 Subject	學分 Credits	年級 Program	備註 Remark
專題討論 Seminar	2	碩 Master's	必須修過2次，共4學分 Students must take it twice to gain 4 credits.
生技醫藥產業概論 Studies in Biotech- Pharmaceutical Industry	2	碩 Master's	
生技產品開發與智財管理 Biotech Product Development and Intellectual Property Management	3	碩 Master's	
生醫產業研發管理 Research and Design Management in Bioindustry	3	碩 Master's	

三、領域進階課程(至少選 1 科)Core Elective Courses (Select at least One)

領域 Group	科目名稱 Subject	學分 Credits	年級 Program	備註 Remark
生態演化 Eclolgy and Evolution	演化生物學 Evolutionary Biology	3	碩博Master's and Doctoral	
	進階生態學 Advanced Ecology	3	碩博Master's and Doctoral	
細胞生物暨分子醫學 Cellular and Molecular	細胞及分子生物學 Cellular and Molecular Biology	3	碩博Master's and Doctoral	
	實驗生物學研究方法 Research Methods of Experimental	2	碩博Master's and Doctoral	

領域 Group	科目名稱 Subject	學分 Credits	年級 Program	備註 Remark
	Biology			
生理 Physiology	現代生理學 Modern Physiology	3	碩Master's	
	實驗生理學 Experimental Physiology	2	碩博Master's and Doctoral	

四、選修課程 Electives

依每學期開設於本學程、生命科學系之選修科目選擇所需要修習之課程。

Students may choose the electives offered in this program and in the Department of Life Sciences each semester.