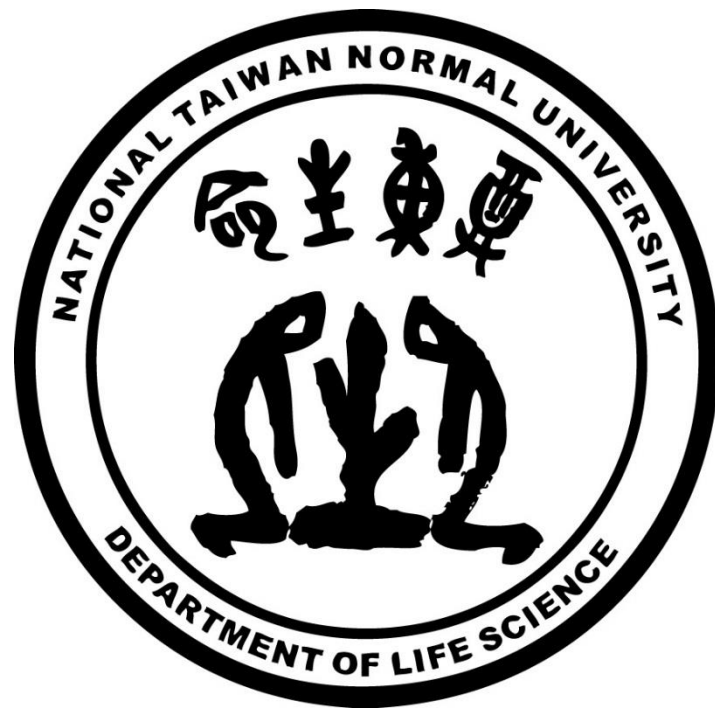


Department of Life Science, School  
of Life Science, National  
Taiwan Normal University



Postgraduate  
Student Handbook

2017

## **History**

The University, formerly known as The Taiwan Provincial Normal College, was formed from the Taipei High School during the Japanese colonial period. In 1946 the Department of Natural History was set up by combining the sections of zoology, botany and mineralogy. In 1955 the University was further restructured as the Taiwan Provincial Normal University, with the Department forming part of the College of Science.

In 1961, the Department of Biology was officially established after complete restructuring and started providing general undergraduate biology education as well as training secondary school biology teachers. Graduate programs leading to Masters and Doctoral degrees began in 1970 and 1991 respectively, to meet the growing demand for biology research and to increase the expertise available to train secondary school teachers.

In 1975 the Department was relocated with the College of Science to the Gongguan campus, where new facilities and scientific instruments were provided with loans from the World Bank. These facilities have since been improved continually to meet the needs of an expanding range of research projects and now include confocal and electron microscopes, cell culture, molecular biology, radioactive isotopes, neurophysiology, genetics and genetic diversity laboratories, audiovisual classrooms, cold rooms, green houses and so on.

In 2003, the Department of Biology was officially renamed The Department of Life Science, and the curricula for both undergraduate and graduate programs were extensively restructured. The department's modern facilities and research skills build on its historical strengths in teacher education to provide intellectually stretching courses that prepare students for futures in research, in teaching and in a wide variety of other careers.

## **Educational Goals**

To cultivate outstanding life sciences research talents

## **Core Competencies**

1. To have the professional knowledge required for designing and conducting research in life sciences.
2. To be able to apply modern techniques to solve diverse scientific questions in life sciences.
3. To be able to analyze experimental data rigorously, draw appropriate conclusions and publish results in scientific journals.
4. To have a proper attitude toward scientific research and to adhere to scientific ethical standards.
5. To appreciate the beauty of life and to recognize the importance of life science to the survival of humanity and the sustainability of our planet.

## Faculty

<b>Job Title</b>	<b>Name</b>	<b>Office</b>	<b>E-mail</b>	<b>Research Expertise</b>
Professor and Chairman	鄭劍廷 Chiang-Ting Chien	College of Science Building Office B312 (886)2-7734-6312	ctchien@ntnu.edu.tw	Physiology, Neuroscience
Professor	王震哲 Jenn-Che Wang	College of Science Building Office D209B (886)2-7734-6266	biofv017@ntnu.edu.tw	Taxonomy of Plants
Professor	李桂楨 Guey-Jen Lee-Chen	College of Science Building Office D311 (886)2-7734-6359	t43019@ntnu.edu.tw	Genetics, Biochemistry
Professor	黃士穎 Shih-Ying Hwang	College of Science Building Office D201A (886)2-7734-6250	hsy9347@ntnu.edu.tw	Genetics, Phylogenetics
Professor	徐靖峰 Yu-Feng Hsu	College of Science Building Office C307A (886)2-7734-6340	t43018@ntnu.edu.tw	Entomology, Invertebrate Zoology
Professor	陳仲吉 Chung-Chi Chen	College of Science Building Office A308 (886)2-7734-6328	ccchen@ntnu.edu.tw	Ecological modelling; System ecology; Planktonic ecology; Estuarine Ecology; Nutrient dynamics; Experimental ecosystems.
Professor	呂國棟 LU, Kwok-Tung	College of Science Building Office B204A (886)2-7734-6237	kwoktunglu@yahoo.com.tw	Professor
Professor	林登秋 Teng-Chiu Lin	College of Science Building Office C301 (886)2-7734-6240	tclin@ntnu.edu.tw	Forest Ecology, Landscape Ecology
Professor	李壽先 Shou-Hsien Li	College of Science Building Office B311 (886)2-7734-6311	t43028@ntnu.edu.tw	Population Genetics and Evolution, Topics in Animal Behavior
Professor	許鈺鸚 Yuying Hsu	College of Science Building Office F212 (886)2-7734-6292	yuyinghs@ntnu.edu.tw	Animal behavior, animal contest, physiological mechanisms
Professor	謝秀梅 Hsiu-Mei Hsieh	College of Science Building Office D309 (886)2-7734-6354	hmhsieh@ntnu.edu.tw	Developmental Biology, Molecular Biology
Professor	林豐益 Li-Yih Lin	College of Science Building Office B316 (886)2-7734-6316	linly@ntnu.edu.tw	Fish Physiology, Cell Physiology
Professor	林仲平 Chung-Ping Lin	College of Science Building Office B309 (886)2-7734-6309	treehopper@ntnu.edu.tw	Molecular Systematics, Character Evolution, Phytogeography, Speciation Mechanisms, Insect Endosymbiosis
Professor	吳忠信 Chung-Hsin Wu	College of Science Building Office D315A (886)2-7734-6363	megawu@ntnu.edu.tw	Animal Physiology
Professor	李冠群 Guan-Chiun Lee	College of Science Building Office D309B (886)2-7734-6351	gcllee@ntnu.edu.tw	Biochemistry, Molecular Biology, Protein Engineering
Professor	林思民 Si-Min Lin	College of Science Building Office C202B (886)2-7734-6246	fish@ntnu.edu.tw	Principles of systematic biology, Conservation Biology

Associate Professor	王玉麒 Yu-Chie Wang	College of Science Building Office A312 (886)2-7734-6322	biowyc@ntnu.edu.tw	Plant Physiology, Biochemistry
Associate Professor	張永達 Yung-Ta Chang	College of Science Building Office F208 (886)2-7734-6288	biofv031@ntnu.edu.tw	Plant Physiology, Science Education
Associate Professor	孫智雯 Chih-Wen Sun	College of Science Building Office D207 (886)2-7734-6262	cwsun@ntnu.edu.tw	Plant Molecular Biology, Cell Biology
Associate Professor	蘇銘燦 Ming-Tsan Su	College of Science Building Office C201 (886)2-7734-6244	mtsu@ntnu.edu.tw	Molecular Biology, Developmental Biology
Associate Professor	沈林琥 Sher Singh	College of Science Building Office C309 (886)2-7734-6344	sher@ntnu.edu.tw	Bioinformatics, Gene Expression Analysis Applications of Microarray and Novel Molecular Biotechnology, Bio systems Dynamic Modelling
Associate Professor	廖培鈞 Pei-Chun Liao	College of Science Building Office B301 (886)2-7734-6330	pcliao@ntnu.edu.tw	Molecular Evolution, Population Genetics.
Associate Professor	林炎壽 Yenshou Lin	College of Science Building Office C308 (886)2-7734-6343	yenshoulin@ntnu.edu.tw	Endocrinology, Physiology, Molecular Biology, Signal Transduction
Associate Professor	王慈蔚 Tsu-Wei Wang	College of Science Building Office C304 (886)2-7734-6336	twwang@ntnu.edu.tw	Neuroscience, Developmental Neurobiology, Neural Stem Cell
Associate Professor	李佩珍 Pei-Jen Lee Shaner	College of Science Building Office A315 (886)2-7734-6301	pshaner@ntnu.edu.tw	Wildlife ecology, population ecology, behavioral ecology, ecological niche modeling
Assistant Professor	賴韻如 Yun-Ju Lai	College of Science Building Office C206 (886)2-7734-6259	yunjulai@ntnu.edu.tw	Cell Biology, Molecular Biology, Cancer Biology and Signaling Transduction
Assistant Professor	郭奇芊 Chi-Chien Kuo	College of Science Building Office A311 (886)2-7734-6320	cckuo@ntnu.edu.tw	Disease Ecology, Ecological Immunology, Ecological Parasitology, Medical Entomology, Mammalogy
Assistant Professor	張孜菁 Tzu-Ching Chang	College of Science Building Office C206 (886)2-7734-6272	ctching9@ntnu.edu.tw	Cancer molecular cytology 、 Stem cell biology
Assistant Professor	陳冬生 Tung-Sheng Chen	College of Science Building Office A311 (886)2-7734-6324	tschen@ntnu.edu.tw	Stem cell science 、 Anti-aging medicine
Teacher	李明忠 Lee, Ming-Chung	College of Science Building Office C301 (886)2-7734-6254	t43006@ntnu.edu.tw	Physiology

## **Degree Requirements**

### **Master Degree**

In order to earn a master degree in life science, the student must complete and meet the criteria stated below within 0.5 to 4 years.

1. Required to identify a Thesis Advisor from within the Program faculty. (Professor, associate professor and assistant professor).
2. Completion of coursework and meeting the minimum credit requirement. 24credits of course work is required for students with master degree and 30 credit units for students with apply directly to the doctoral degree student. (Apply directly to the doctoral degree who count one year credit with master degree.)
3. Publish the research with oral presentation or poster in time.
4. Submit the thesis proposal in time.
5. Prepare a thesis and apply oral exam.
6. Consent of the thesis examination committee to proceed with the thesis defense.
7. Pass the thesis defense.

### **Doctoral Degree**

In order to earn a doctoral degree in life science, the student must complete and meet the criteria stated below within 1.5 to 7 years.

1. Required to identify a Thesis Advisor from within the Program faculty. (professor, associate professor and assistant professor)
2. Completion of coursework and meeting the minimum credit requirement. 24credits of course work is required for students with doctoral degree
3. Submit the Curriculum Committee consist of at least three members (including the Thesis Advisor) and with courses planning
4. Pass the qualifying examination in time.(within 1 to 3 years)
5. Submit the **Thesis Advisory** Committee consist of at least five members. (including the Thesis Advisor and at least two committee member who is not affiliated with NTNU)
6. Complete annual progress reports in time. (At least once, after sixth month ago than you can apply oral exam.)
7. Publish the research with oral presentation in time.
8. Publish the first author or the corresponding author research results, conducted during the study at NTNU life science program and have two manuscript(s) accepted by SCI journal(s).(or publish one paper with Impact Factor higher than 3.5 or in a journal ranked at the top 15% in the field.)
9. Prepare a thesis and apply oral exam.
10. Consent of the thesis examination committee to proceed with the thesis defense.
11. Pass the thesis defense.

## Research Ethics Education Courses

In order to sensitize to Research Ethics issue and recognize the ethical norms for the academic study and research, each M.S. students/Ph.D. student is required by the university to take Research Ethics Education online courses offered by NTNU.

The student must complete the online course, at least 15 core units and 15-20 minutes for each unit, and pass the online test before January 31. (Pass grade of 85) For online course, available in Chinese and English, please visit: <http://ethics.nctu.edu.tw/>

### Coursework

1. Each class pass grade of 70/B-
2. The course to apply directly Ph.D. student that can compute one year's grade when study in M.S.

Course Classification	M.S. Student	Ph.D. Student	Apply Directly to the Ph.D. Student
Required Courses	Seminar 2 (2 times)	Seminar 2 (4 times)	Seminar 2 (4 times)
Core Required Course	<b>Ecology and Evolution:</b> Evolutionary Biology 3 Advanced Ecology 3 <b>Cellular and Molecular:</b> Cellular and Molecular Biology 3 Research Methods of Experimental Biology 2 Advanced Seminar(I) 0 Advanced Seminar(II) 0 <b>Physiology:</b> Modern Physiology 3 Experimental Physiology 2	<b>Ecology and Evolution:</b> Evolutionary Biology 3 Advanced Ecology 3 <b>Cellular and Molecular:</b> Cellular and Molecular Biology 3 Research Methods of Experimental Biology 2 <b>Physiology:</b> Topics on Animal Physiology (I) 2 Experimental Physiology 2	<b>Ecology and Evolution:</b> Evolutionary Biology 3 Advanced Ecology 3 <b>Cellular and Molecular:</b> Cellular and Molecular Biology 3 Research Methods of Experimental Biology 2 <b>Physiology:</b> Topics on Animal Physiology (I) 2 Experimental Physiology 2
Core Elective Course (Select at Least Two)	<b>Ecology and Evolution:</b> Biological Geography 3 Island Biogeography 3 Data Analysis for Ecology and Evolution in R Programming Language 3 Research Methods in Ecology and Evolution 1 Experimental Design and Data Analysis 3 Behavioral Ecology 3 Regression Analysis 3 Adaptation and Natural Selection 3 Population Genetics and Evolution 3 Marine Biology 3	<b>Ecology and Evolution:</b> Research Methods in Ecology and Evolution 1 Biological Geography 3 Experimental Design and Data Analysis 3 Behavioral Ecology 3 Regression Analysis 3 Adaptation and Natural Selection 3 Population Genetics and Evolution 3 Topics on Interaction between Marine Biology and Physical Oceanography 3 Phylogeography 3 Topics in Biosystematics 2	<b>Ecology and Evolution:</b> Research Methods in Ecology and Evolution 1 Biological Geography 3 Experimental Design and Data Analysis 3 Behavioral Ecology 3 Regression Analysis 3 Adaptation and Natural Selection 3 Population Genetics and Evolution 3 Topics on Interaction between Marine Biology and Physical Oceanography 3 Phylogeography 3 Topics in Biosystematics 2

	Marine Biology 3 Forest Ecology 3 Biological Invasions 3 Landscape Ecology 3 Principles of Systematic Biology 3 Conservation Biology 3 Disease Ecology 3 Topics on Interaction between Marine Biology and Physical Oceanography 3 Phylogeography 3 Topics in Biosystematics 2 Principles and Methods of Plant Taxonomy 2 Molecular Evolution 3 Principles of Phylogenetics 3 <b>Cellular and Molecular:</b> Developmental Biology 3 Stem Cell Biology 3 Protein and Enzyme Chemistry 2 Neurobiology 3 Biotechnology 3 Signal Transduction 3 Topics in Molecular Biology 2 <b>Physiology:</b> Neurobiology 3 Endocrinology 3 Comparative Animal Physiology 3 Learning and Memory 3 Oxidative Stress Physiology 3	Principles and Methods of Plant Taxonomy 2 Molecular Evolution 3 Principles of Phylogenetics 3 <b>Cellular and Molecular:</b> Immunochemistry 3 Protein and Enzyme Chemistry 2 Writing Scientific Papers in English 2 Topics in Molecular Biology 2 <b>Physiology:</b> Topics in Sensory Physiology 3 Topics on Animal Physiology (II) 2 Neuropharmacology 3 Comparative Animal Physiology 3 Topics in Fish Physiology 3 Learning and Memory 3	Principles and Methods of Plant Taxonomy 2 Molecular Evolution 3 Principles of Phylogenetics 3 <b>Cellular and Molecular:</b> Immunochemistry 3 Protein and Enzyme Chemistry 2 Special Topics on Signal Transduction 3 Writing Scientific Papers in English 2 Topics in Molecular Biology 2 <b>Physiology:</b> Topics in Sensory Physiology 3 Topics on Animal Physiology (II) 2 Neuropharmacology 3 Comparative Animal Physiology 3 Topics in Fish Physiology 3 Learning and Memory 3
Elective Course	Optional	Optional	Optional
Graduation	24 Credits	24 Credits	30 Credits

### Postgraduate Calendar

<b>Apply deadline</b>	<b>project</b>
<b>July 31</b>	Submit the thesis proposal with next semester oral exam.
<b>July 31</b>	Pass oral exam. (Fall semester)
<b>August 31</b>	Completion of school leaving formalities.
<b>October 31</b>	Submit apply to qualifying examination.
<b>October 31</b>	M.S. students apply to directly the Ph.D.
<b>November 15</b>	Apply for oral exam. (Spring semester)
<b>November 15</b>	Submit Publish the research with oral presentation or poster.
<b>November 15</b>	Submit declaration of originality and turnitin thesis

<b>January 31</b>	Submit the thesis proposal with next semester oral exam.
<b>January 31</b>	Pass oral exam. (Spring semester)
<b>January 31</b>	Submit the Curriculum Committee consist of at least three members and with study plan.
<b>January 31</b>	Complete online Research Ethic Course.
<b>February 28/29</b>	Completion of school leaving formalities.
<b>March 31</b>	Submit apply to qualifying examination.
<b>March 31</b>	M.S. students apply to directly the Ph.D.
<b>May 15</b>	Apply for oral exam. (Fall semester)
<b>May 15</b>	Submit Publish the research with oral presentation or poster.
<b>May 15</b>	Submit declaration of originality and turnitin thesis



# **Application From**

國立臺灣師範大學生命科學系博士班研究生課程指導委員會推薦表  
Doctoral Degree Curriculum Committee Recommendation Form

【研究生基本資料】 Basic information

姓名 Name : \_\_\_\_\_ 學號 Student ID : \_\_\_\_\_

預定研究主題  
Research Topics : \_\_\_\_\_

【課程指導委員會推薦名單】 (請由指導教授填寫)

A list of recommended curriculum committee

委員姓名 Committee name	委員簽名 Signature	備註 Remarks

指導教授簽名 :

Advisor signature: \_\_\_\_\_

\_\_\_\_\_年 year \_\_\_\_\_月 month \_\_\_\_\_日 date

【研究生教育委員會意見】 Opinion by postgraduate education committee

同意 Agree :

建議 Suggest :

研究生教育委員會主席簽名 :

Postgraduate education  
committee chairmen signature: \_\_\_\_\_

\_\_\_\_\_年 year \_\_\_\_\_月 month \_\_\_\_\_日 date

# 國立臺灣師範大學生命科學系博士班研究生修業計畫書

## Doctoral Degree Study Plan Form

### 一、研究生基本資料Basic information

姓名Name: \_\_\_\_\_  
學號Student ID: \_\_\_\_\_  
連絡電話Phone: \_\_\_\_\_  
e-mail: \_\_\_\_\_

### 二、指導教授 Dissertation advisor

本人已詳細審閱並核可研究生\_\_\_\_\_之修業計畫書。

指導教授簽名：

Advisor signature \_\_\_\_\_

\_\_\_\_\_年 year \_\_\_\_\_月 month \_\_\_\_\_日 date

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### 【課程指導委員會意見】Opinion by Curriculum Committee

同意 Agree

建議 Suggest

課程指導委員簽名Curriculum Committee Signature：

\_\_\_\_\_、\_\_\_\_\_、\_\_\_\_\_。

\_\_\_\_\_年 year \_\_\_\_\_月 month \_\_\_\_\_日 date

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### 【研究生教育委員會意見】Opinion by postgraduate education committee

同意 Agree

建議 Suggest

\_\_\_\_\_年 year \_\_\_\_\_月 month \_\_\_\_\_日 date

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【附註】1. 本計畫書應於第一學年第一學期結束前(一月三十一日)，送交課程指導委員會審查。

The study plan should be review by curriculum committee before first semester end (no later than January 31)

2. 檢附碩士班及大學部歷年成績單正或影本各乙份。

And copies of the transcripts ( M.S. degree and B.S. degree.)

三、博士班修習科目 Courses

【預定研究主題】 Research Topics

【共同必修課程】 Required Courses

	科目名稱 Subject name	學分 Credits	已修 Finish course	擬修 Intended course	通過 Pass course
1	專題討論 Seminar (first time)	2			
2	專題討論 Seminar (second time)	2			
3	專題討論 Seminar (third time)	2			
4	專題討論 Seminar (forth time)	2			

【領域核心必修課程】 Core Required Course

	科目名稱 Subject name	學分 Credits	已修 Finish course	擬修 Intended course	通過 Pass course
1					
2					

【領域進階課程】 選2科 Core Elective Course (Select at Least Two)

	科目名稱 Subject name	學分 Credits	已修 Finish course	擬修 Intended course	通過 Pass course
1					
2					

【領域其他課程/跨領域選修課程】 Elective Course

	科目名稱 Subject name	學分 Credits	已修 Finish course	擬修 Intended course	通過 Pass course
1					
2					
3					
4					
5					

【碩士論文題目】 (逕讀博班生免填) M.S. Research Topics (Apply Directly to the Ph.D. Student do not fill)

中文：

Chinese Topics:

英文：

English Topics:

國立臺灣師範大學生命科學系「博士學位候選人資格考試」申請書  
Doctorate Candidate Qualifying Examination Application Form

研究生Name \_\_\_\_\_ (學號Student ID: \_\_\_\_\_) 預定論文研究主題

為Research Topics \_\_\_\_\_,

擬申請於(apply for) \_\_\_\_\_ 學年度(Academic year)第 \_\_\_\_\_ 學期(semester)參加博士學位候選人資格考試，敬請鑒核。 To participate in the qualification examination.

謹 陳 This to

課程指導委員會Curriculum committee

研究生教育委員會Postgraduate education committee

研究生student: \_\_\_\_\_

\_\_\_\_\_年year \_\_\_\_\_月month \_\_\_\_\_日date

**【課程指導委員會意見】** Opinion by curriculum committee

推薦參加資格考試，建議考試科目如下：Recommended examination subjects

科目一 Subject I	科目二 Subject II	科目三 Subject III

不推薦參加資格考試 Not recommended to take the qualification examination

委員簽名

curriculum committee

signature: \_\_\_\_\_

**【研究生教育委員會意見】** Opinion by postgraduate education committee

同意參加資格考試，考試科目及推薦資格考試委員名單如下：

Examination subjects and recommended qualification examination committee

科目名稱 Subjects	資格考試委員名單 Qualification examination committee

不同意參加資格考試 Disagree to participate in the qualification examination

**附註：**

1. 檢附博士班歷年成績單正本一份及審查通過之博士班研究生修業計畫書各一份。
2. 建議考試科目由課程指導委員會提出，送研究生教育委員會審核。
3. 指導教授命題以不超過1科為原則。

國立臺灣師範大學生命科學系「博士學位候選人資格考試」補考申請書

Doctorate Candidate Qualifying Re-examination Application Form

研究生name \_\_\_\_\_ (學號：student ID \_\_\_\_\_)

擬申請於(apply for) \_\_\_\_\_ 學年度(Academic year)第 \_\_\_\_\_ 學期(semester)再次參加博士學位候選人資格考試，補考科目如下，敬請鑒核。 To participate in the qualification re-examination.

補考科目名稱Subject： \_\_\_\_\_、 \_\_\_\_\_、 \_\_\_\_\_，

謹 陳 This to

研究生教育委員會Postgraduate education committee

研究生 Student： \_\_\_\_\_

指導教授Advisor： \_\_\_\_\_

※申請人請詳閱附註說明 Student please read the notes

\_\_\_\_\_年year \_\_\_\_\_月month \_\_\_\_\_日date

【研究生教育委員會意見】Opinion by postgraduate education committee

補考科目 Subjects	補考命題委員 Qualification examination committee

\_\_\_\_\_年 year \_\_\_\_\_月 month \_\_\_\_\_日 date

附註： Notes

1. 「資格考試」各科成績以一百分為滿分，七十分為及格。Each subject pass grade of 70/B-
2. 「資格考試」不及格而修業年限尚未屆滿者，得於次學期申請重考不及格科目，惟各科目的重考以一次為限，重考仍不及格者，依本校「學則」第60條之規定，勒令退學。

Those who have failed to complete the course of study and have not completed their course of study may apply for the re-examination in the second semester. However, the re-examination of each subject is limited to one time and the re-examination fails. In accordance with the provisions, ordered to drop out.

# 國立臺灣師範大學生命科學系博士班研究生論文指導委員會推薦表

## Doctoral Degree Paper Steering Committee Recommendation Form

### 一、研究生基本資料 Basic information

姓名Name : \_\_\_\_\_ 學號Student ID : \_\_\_\_\_

預定論文題目  
Dissertation Title : \_\_\_\_\_

### 二、論文指導委員會推薦名單 (請由指導教授填寫，論文指導委員會由 5 至 7 位委員組成， 應含指導教授及校外委員)

Paper Steering Committee (Including advisor and off-campus committee with total 5-7 people)

姓 名	服 務 單 位	職 稱

指導教授簽名 advisor signature : \_\_\_\_\_  
\_\_\_\_\_年 year \_\_\_\_\_月 month \_\_\_\_\_日 date

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### 三、研究生教育委員會意見 Opinion by postgraduate education committee :

- 同意 Agree
- 建議 Suggest

簽名 signature : \_\_\_\_\_  
\_\_\_\_\_年 year \_\_\_\_\_月 month \_\_\_\_\_日 date

### 四、系主任意見 Opinion by Department Chairman :

- 同意 Agree
- 建議 Suggest

簽名 signature : \_\_\_\_\_  
\_\_\_\_\_年 year \_\_\_\_\_月 month \_\_\_\_\_日 date

國立臺灣師範大學生命科學系博士生論文計畫書口頭報告及論文指導委員會  
第\_\_\_\_\_次審核紀錄

Doctoral Degree Paper Steering oral presentation\_\_\_\_\_ Record

論文題目 Dissertation Title :

學生姓名 Name :

學號 Student ID :

時間 Time : 年 year 月 month 日 date 時 time

地點 Location :

指導委員簽名 Paper Steering Committee	備註 Note
	指導教授 Advisor

審核結果 Audit results : 通過 Pass

不通過 Fail

註 :

1. 論文計畫書摘要與指導委員審核意見摘要第二次以後(包含第二次)不用繳交，僅需繳交上面指導委員簽名部分。After the second time with don't need pay the reviewer's opinion, only pay the signature part.
2. 第二次以後(包含第二次)委員會之審查委員除非必要，否則僅邀請系內委員參與即可。After the second time ,unless necessary to invite off-campus committee,that the review committee will only invite members of the department.



(接下頁) continue next page

一、論文計畫摘要 Abstract :

二、指導委員審核意見摘要 Opinion by Paper Steering Committee abstract :

# 國立臺灣師範大學生命科學系碩士班學分修習檢查表

## Master Degree Class Credits Checklist Form

學生姓名 Name : \_\_\_\_\_ 學號 Student ID : \_\_\_\_\_ (一併附上歷  
年成績單乙份) Please attached the transcripts

### 【必修 Required Courses】

	科目名稱 Subject name	學分數 Credits	已修 Finish course	擬修 Intended course	通過 Pass course
1	專題討論 Seminar (first time)	2			
2	專題討論 Seminar (second time)	2			

### 【領域核心必修課程 Core Required Course】

	科目名稱 Subject name	學分數 Credits	已修 Finish course	擬修 Intended course	通過 Pass course
1					
2					
3					
4					

### 【領域進階課程(選2科) Core Elective Course (Select at Least Two)】

	科目名稱 Subject name	學分數 Credits	已修 Finish course	擬修 Intended course	通過 Pass course
1					
2					

### 【領域其他課程/跨領域選修課程 Elective Course】

	科目名稱 Subject name	學分數 Credits	已修 Finish course	擬修 Intended course	通過 Pass course
1					
2					
3					
4					

\*碩士班最低畢業學分數 24 學分 Graduation 24 Credits

研究生 Student : \_\_\_\_\_

國立臺灣師範大學生命科學系

碩士班研究生論文計畫書

Master degree thesis plan

(論文題目 Research Topics)

(研究生姓名及學號 Name and Student ID)

指導教授簽名 Advisor : \_\_\_\_\_

註：

1. 本頁為論文計畫書封面格式，論文計畫書繳交本封面老師簽名頁及摘要即可，整份完整論文可以使用紙本或PDF檔案之光碟片繳交[檔名：姓名(學號)]。
2. 內文部分要求下述：  
目錄、中英文摘要、緒論 (可包含文獻評述、研究背景、研究重要性、研究問題、研究目的)、研究材料與方法、預期結果、初步結果、參考文獻等。
3. 請於規定時間內繳交(1)完整PDF電子檔案(含電子封面)；(2)紙本封面(已由指導教授簽名)、摘要，方能視同完成繳交。

# 國立台灣師範大學 生命科學系研究生公開論文發表認證申請書

姓名：\_\_\_\_\_ 學號：\_\_\_\_\_

入學年度 \_\_\_\_\_ 聯絡電話：\_\_\_\_\_

※※填寫本表前，請先詳閱下列注意事項

## 注意事項：

1. 申請人**必須**為第一作者，如為第一共同作者，該篇論文只可用於一位同學之認證。
2. **碩士班學生**之公開論文發表方式，可為口頭論文宣讀、壁報論文或期刊論文發表(必須為收錄於SCI、SSCI、TSSCI、或BioFormosa之期刊)。
3. **博士班學生**之公開論文發表方式，除附件目錄所列舉之會議外，必須為口頭論文宣讀(oral presentation)，壁報論文(poster)不列入採計。

1. 班別：碩 博 (勾選)

2. 發表方式：

a. 國內外學術研討會 (口頭論文宣讀 壁報論文)(勾選)

b. 期刊論文發表 (SCI、SSCI、TSSCI、BioFormosa)

3. 發表方式及繳交資料內容說明：

會議名稱：

(期刊名稱)

會議時間：

(期刊卷號及頁碼)

主辦單位及地點：

(期刊發行單位)

論文題目：

(論文標題)

共同作者：

(合著人)

繳交資料：

1.會議議程 2.論文摘要 3.其他計\_\_\_\_\_件

研究生：\_\_\_\_\_ 簽章

指導教授：\_\_\_\_\_ 簽章

申請日期：\_\_\_\_\_年 \_\_\_\_\_月 \_\_\_\_\_日



研究生教育委員會主席簽名：

(接下頁)

民國

年 月 日

一、研究生基本資料

姓名：

英文姓名：

學號：

手機：

E-mail：

論文題目(中)：

論文題目(英)：

二、修業資料審核

1、修畢學分數：（研究生填寫）

查核結果  
(查核人填寫)

科目名稱	已修科數	已修學分數	(查核學分)
(1)專題討論	科	學分	
(2)領域必修課程	科	學分	
(3)領域進階選修課程(2科)	科	學分	
(4)領域其他課程/跨領域選修課程	科	學分	
合計	科	學分	

2、博士班修業計畫書審查： 通過  未通過

3、碩、博士班論文計畫書審查： 通過  未通過

4、博士班資格考： 通過  未通過

5、博士班論文發表：SCI期刊\_\_\_\_\_篇，SSCI期刊\_\_\_\_\_篇  
認可期刊\_\_\_\_\_篇，其他期刊\_\_\_\_\_篇

6、碩、博士班公開論文發表認證： 通過  未通過

7、碩、博士班相關英文檢定資料繳交： 通過  未通過

查核人：

年 月 日

國立臺灣師範大學生命科學系博士論文通過簽名表

Doctoral Dissertation Approval Sheet

Department of Life Science, National Taiwan Normal University

系所別：生命科學系

Department

姓名：

Name

博士論文題目：

Dissertation Title

經審查合格，特予證明

學號：

Student ID

This is to certify that the abovementioned dissertation has been evaluated and approved by the members of the Degree Examination Committee:

論文口試委員

○○○ 博士

\_\_\_\_\_ Dr. ○○○○○○○○○○○○○○○○○

○○○ 博士

\_\_\_\_\_ Dr. ○○○○○○○○○○○○○○○○○

○○○ 博士

\_\_\_\_\_ Dr. ○○○○○○○○○○○○○○○○○

○○○ 博士

\_\_\_\_\_ Dr. ○○○○○○○○○○○○○○○○○

○○○ 博士

\_\_\_\_\_ 國立臺灣師範大學生命科學系（研究所）教授

論文指導教授

Dissertation advisor: Dr. ○○○○○○○○

系主任（所長）簽章：\_\_\_\_\_

Signature of the Department Chair

中華民國 ○○○年○○ 月 ○○ 日

○○○Year/○○○Month/○○○Day

# 國立臺灣師範大學研究生博士學位考試成績記錄表

Score Record for the Graduate Degree Examination, National Taiwan Normal University

學年度： 學年度第 學期  
Academic Year Semester

論文題目：(中文)  
Dissertation Title (Chinese)

論文題目：(英文)  
Dissertation Title (English)

系、所別： 士班 年級  
Department/Program Class Year

姓名： 學號：  
Name Student ID

評 分 欄 Score	考試委員簽名或蓋章 Signature or Seal of the Exam Committee member	備 註 Remark
分		本校 NTNU Committee Members
系所章戳 Seal of the Department/Program		
		外校 External Committee Members

## 論文考試（口試）記錄表

Score Record for the doctoral oral defense

考試日期： 年 月 日 午 時 分  
Defense Date Year Month Day

考試地點：  
venue

記錄：（請於舉行學位考試完畢後，將成績送交教務處登錄，記錄由各系所留存）

Remark: Please submit the score record to the Office of Academic Affairs after the oral defense; other supporting documents such as committee members' comments are to be kept by the Department staff/TA.



國立臺灣師範大學生命科學系應屆畢業生「系所離校單」

學生\_\_\_\_\_業已完成學位考試，並已將所有借用之儀器、器材、藥品、鑰匙及圖書歸還予指導教授，實驗用動、植物亦已清理乾淨，請同意辦理離校手續。

研究生：\_\_\_\_\_

指導教授：\_\_\_\_\_

辦理日期： 年 月 日

- 
- 繳交一本畢業論文及論文光碟。(博士班精裝、碩士班平裝)

負責人：\_\_\_\_\_章

- 移除磁卡、申請之IP位置等相關事項。

負責人：\_\_\_\_\_章

- 填妥下列調查(依據規定系所將調查近5年畢業生流向，請確實填寫)。

姓名	性別	永久地址	永久電話	手機	電子信箱

實習 國內深造 教職 就業 服兵役 實習 其他\_\_\_\_\_

負責人：\_\_\_\_\_章