

國立交通大學土木工程學系 博士班研究生修業規章

Department of Civil Engineering, National Chiao Tung University

Doctoral Degree Program Regulations

2002年03月13日系務會議通過
Passed by the Department Affairs Meeting dated 2002/03/13
2002年11月08日院課程委員會修訂
Amended by the College Curriculum Committee dated 2002/11/08
2001年12月26日90學年度第1學期第3次系務會議修訂
Amended by the 3rd Session of Department Affairs Meeting in the 1st Semester of 2001 dated 2001/12/26
2003年06月11日91第6次教務會議修訂
Amended by the 6th Session of the Academic Affairs Meeting in 2002 dated 2003/06/11
2003年09月17日92學年度第1學期第1次系務會議修訂
Amended by the 1st Session of Department Affairs Meeting in the 1st Semester of 2003 dated 2003/09/17
2004年03月24日92學年度第2學期第1次系務會議修訂
Amended by the 1st Session of Department Affairs Meeting in the 2nd Semester of 2003 dated 2004/03/24
2004年05月5日92學年度第2學期第2次系務會議修訂
Amended by the 2nd Session of Department Affairs Meeting in the 2nd Semester of 2003 dated 2004/05/05
2005年06月22日93學年度第2學期第3次系務會議修訂
Amended by the 3rd Session of Department Affairs Meeting in the 2nd Semester of 2004 dated 2005/06/22
2006年11月15日95學年度第1學期第2次系務會議修訂
Amended by the 2nd Session of Department Affairs Meeting in the 1st Semester of 2006 dated 2006/11/15
2007年09月26日96學年度第1學期第3次系務會議修訂
Amended by the 3rd Session of Department Affairs Meeting in the 1st Semester of 2007 dated 2007/09/26
2008年12月17日97學年度第1學期第3次系務會議修訂
Amended by the 3rd Session of Department Affairs Meeting in the 1st Semester of 2008 dated 2008/12/17
2009年01月07日97學年度第1學期第4次系務會議修訂
Amended by the 4th Session of Department Affairs Meeting in the 1st Semester of 2008 dated 2009/01/07
2012年04月25日100學年度第2學期第2次系務會議修訂
Amended by the 2nd Session of Department Affairs Meeting in the 2nd Semester of 2011 dated 2012/04/25
2013年03月13日101學年度第2學期第1次系務會議修訂
Amended by the 1st Session of Department Affairs Meeting in the 2nd Semester of 2012 dated 2013/03/13
2015年03月25日103學年度第2學期第1次系務會議修訂
Amended by the 1st Session of Department Affairs Meeting in the 2nd Semester of 2014 dated 2015/03/25
2015年04月20日103學年度第2學期第2次系務會議修訂
Amended by the 2nd Session of Department Affairs Meeting in the 2nd Semester of 2014 dated 2015/04/20
2018年03月21日106學年度第2學期第1次系務會議修訂
Amended by the 1st Department Affairs Meeting in the 2nd Semester of 2017 dated 2018/03/21

一、辦法依據

I. Normative Reference

本修業規章係依「大學法及其施行細則」、「學位授予法及其施行細則」及「國立交通大學碩、博士學位授予作業規章」、「國立交通大學與境外大學辦理雙聯學制辦法」訂定之。

This set of Regulations is instituted in accordance with the “University Act and Enforcement Rules of University Act,” “Enforcement Rules of Degree Conferral Law,” and the “National Chiao Tung University Regulations for Master and Doctoral Degrees Conferment,” and “Regulations for a Dual-Degree by National Chiao Tung University and Overseas University”.

二、修業年限

II. Duration of Study

1. 博士班研究生修業期限以二至七年為限。在職進修研究生之修業年限得增加一年。
In general, graduate students should complete the doctoral degree program from 2 to 7 years. An additional academic year is granted for students of in-service training.
2. 上述修業年限不包括休學期間。學生因故可於學期考試開始前申請休學一學期、一學年或二學年，累計不超過二學年。
The duration of the study does not include the period of absence from school. Students may apply for a leave of absence from school for 1 semester, 1 academic year or 2 academic years before the final examination of the semester but the total period of absence should not be longer than 2 academic years.
3. 博士班研究生等待論文發表者，經指導教授同意後得申請休學。
Graduate students in the doctoral degree program may apply for absence from school at the consent of the academic advisor in the period of waiting for the presentation of the dissertation.
4. 博士班研究生在上述修業年限屆滿，仍未修完應修科目與學分，或未通過學位考試者，應予退學。
Graduate students in the doctoral degree program should withdraw from study if unable to complete the course requirement or credit requirement at the end of the above period of study, or if failing in the degree examination.

三、修課規定

III. Course Requirement

1. 畢業學分數規定如下：
The credit requirement for graduation is specified below:
 - (1) 具碩士學位者，畢業前應修滿十八學分。
Students who hold a master's degree shall complete 18 course credits before graduation.
 - (2) 逕讀博士學位者，畢業前應修滿三十學分。
Students directly pursuing the doctoral degree shall complete 30 course credits before graduation.
 - (3) 上述畢業學分不含專題討論及博士論文學分。博士研究生至少須修滿四個學期之專題討論課程。
The above course credits for graduation do not include the credits for seminar and doctoral dissertation. Graduate students in the doctoral degree program must complete the curriculum in the seminar for 4 semesters.
2. 修讀課程之評定採百分計分法，以七十分為及格；未達七十分者不計學分。
The scoring of the courses of study is on the percentile basis where the passing mark is 70. Credit will not be granted for courses with scoring falling below 70.
3. 適用畢業學分之科目有疑義時，由系務委員會認定之。唯加修大學部相關學系科目者，其學分不列入畢業學分內計算。
In case of a query about the courses that earn credits for graduation, the Department Affairs Committee shall determine if credits should be granted. Students who have also taken courses at the undergraduate level will not earn course credits for graduation.
4. 博士班研究生入學後於學位考試之前，必須通過本系博士班學生英語能力測驗，其辦法及施行細則另訂。
Graduate students in the doctoral degree program must pass the English proficiency test for the students of the doctoral degree program after registration for study and before the degree examination. Related rules and regulations as well as the implementation procedures will be instituted separately.

四、學分抵免

IV. Credit Transfer

1. 在本系先行修讀學分然後考入本系博士班者，其已修及格之科目與學分，若該學分未列入碩士班畢業學分者，經指導教授與系主任同意後可申請抵免，並列入本系博士班畢業學分，唯以不超過六學分為限。

Students who have taken credit courses offered by this department before admission to the doctoral degree program may transfer up to 6 credits of the passed courses to the doctoral degree program of this department at the consent of the academic advisor and the Chairman of the Department on condition that the above credits have not been transferred to the doctoral degree program for graduation purposes.

2. 博士班研究生修習期間因故離校，經入學考重新入學時，其先前在本系修習之學分，在未改變研究領域之條件下，經確認得予以承認。本款以使用一次為限。

Graduate students in the doctoral degree program who have dropped out of school in the duration of study for specific reasons, and have then taken the admission examination for a reattempt for admission, the course credits previously earned by the students will be recognized if there is no change in the area of specialization of study. The course credits specified in this subparagraph may be transferred once only.

3. 本校與境外大學辦理雙聯學制所屬博士班研究生於境外大學修習及格之科目及學分，得依本校「學生抵免學分辦法」申請抵免，並提交本系各學術分組審查。

Graduate students engaged in the study of joint programs between NCTU and overseas universities, and who have taken courses meeting the passing requirement may transfer the credits taken from these courses in accordance with the “National Chiao Tung University Credit Transfer Regulations,” and refer the credits to respective subject area groups of this department for review.

五、指導教授

V. Thesis Advisor

1. 博士班研究生最遲在第一學年內應於報考組別中擇一專任老師為其論文指導教授，並得邀請其他老師共同指導，決定後須向系辦公室正式提出，變更亦然。

Students of the doctoral program must choose a full-time faculty in respective areas of specializations no later than the end of the 1st academic year as the academic advisor of the doctoral thesis, and may invite other faculties as joint advisors. Upon making the choice, students should propose such to the Office of the Department. The same procedure applies to any change in academic advisor.

2. 每學期開學前，系辦公室應提供各組當學年度已確認指導教授之新生名單，由各學術分組進行確認及協調。

The Office of the Department should provide the list of new students who have chosen their thesis advisor in respective areas of specializations before the commencement of the semester for the confirmation and coordination among the subject area groups.

研究生之指導教授須由本系之專任教師擔任。系內指導教授得推薦本系兼任教師、外系或校外專家學者擔任共同指導教授，共同指導教授敦聘資格比照本系博士學位考試委員提聘標準，若資格不符，應向系務委員會提出申請。

Thesis advisor of graduate students must be full-time faculties of this department. Full-time faculties of this department may recommend other adjunct faculties, faculties of other departments, or scholars and experts outside the University as the joint thesis advisor. The qualification requirements of the joint thesis advisor shall be relevant with the employment standard of the examination board of the doctoral degree program of this department. If the above condition is not met, a petition with the Department Committee is required.

3. 指導教授的職責如下：
The responsibilities of the thesis advisor:
 - (1) 指導研究生完成博士論文。
Advising the graduate students for the completion of the doctoral dissertation.
 - (2) 指導研究生安排課程的選修。
Advising graduate students in course arrangement and selection.
 - (3) 研究生對外任何正式行文須經指導教授與系主任同意。
Any official outgoing correspondence of the graduate students shall be subject to the consent of the thesis advisor and the Chairman of the Department.
4. 指導教授未決定前，由各組系務委員協助安排修讀課程。如未能於期限內確認指導教授者，交由學術分組處理。
The members of the Department Committee shall assist in arranging the curriculum of students who have not yet chosen their thesis advisor. Those who have not confirmed their thesis advisor by the deadline shall be referred to the relevant subject area group for further action.
5. 其他未盡事宜依據本校「國立交通大學論文指導教授與研究生互動準則」辦理。
Anything not mentioned in this set of regulations shall be governed by the “National Chiao Tung University Guidelines for the interaction between Thesis Advisor and Graduate Students”.

六、資格考試

VI. Qualifying Examination

1. 博士班學生在提出論文以前，應通過博士班資格考試。一般生在入學後三年（不含休學期間）內，在職生在入學後四年（不含休學期間）內，若不能通過資格考試，應予退學；惟逕行修讀博士學位研究生未通過博士學位候選人資格考核，得檢具申請表，申請轉回碩士班就讀，經本系系務會議審查通過，並經校長核定後，得回原碩士班就讀。
Graduate students in the doctoral degree program shall pass the doctoral qualifying examination before proposing the dissertation. In general, regular students should pass the qualifying examination within 3 years after enrollment (excluding the period of leave of absence from the study), and in-service training students should pass the qualifying examination within 4 years after enrollment (excluding the period of leave of absence from the study). Students who cannot pass the qualifying examination should withdraw from the study. Students who directly pursue the doctoral degree program but fail in the doctoral candidacy qualifying examination may apply for continuing the study in the master's degree program subject to the review and approval of the Department Affairs Meeting and the final approval of the President of NCTU.
2. 博士班資格考試包含筆試及博士論文計畫書審查兩項。通過資格考試之博士班學生為本系之博士候選人，並由本系發給證明。
The doctoral program qualifying examination comprises of a written examination and a review of the dissertation plan. Students who pass the qualifying examination will be granted the status of doctoral candidates with the issuance of certificate of completion by the department.
 - (1) 資格考試每學期舉行一次。欲參加資格考之博士班學生，須於考試一個月前向系辦登記。
The qualifying examination will be held once every semester. Graduate students in the doctoral degree program who intend to take the examination should register with the department 1 month before the examination.
 - (2) 筆試於每學期期末考試結束後一星期內舉行，日期由本系公佈。

The written examination will be held within 1 week after the final examination of the semester. The department will announce the exact date of the examination.

- (3) 筆試及博士論文計畫書審查於考試後兩星期內由本系發函告知考試結果。

The department will inform the students in writing of the result of the written examination and the dissertation plan review within 2 weeks after the examination.

- (4) 筆試或博士論文計畫書審查不及格而修業年限未屆滿者，均得重考，重考以一次為限。

Students who failed in the written examination and the dissertation plan review may take a reattempt within the allowed period of study. A reattempt for the examination is granted once only.

3. 博士班資格考筆試考試科目，由各組組務會議決定，並送系務會議核備。

The Group Affairs Meeting of each subject area group shall determine the subject of the written examination of the qualifying examination and present the detail of the decision to the Department Affairs Meeting for the record.

4. 通過筆試後，方得提出博士論文計畫書，計畫書之審查以口試方式進行。

Students may propose the dissertation plan only after passing the written examination. The plan review will be taken in the form of an oral examination.

5. 上述第4條之口試應以公開方式進行，並於口試一週前於系公佈欄公布考試時間、地點及相關內容。口試委員至少三人，由指導教授推薦，本系聘請之。口試成績以七十分為及格，一百分為滿分，並以出席委員評定分數之平均值決定之。逾出席委員三分之一以上（含）委員評定不及格者以不及格論，且評定以一次為限。

The oral examination as mentioned in 4 should be taken publicly. The time, place, and related content of the examination should be announced on the bulletin board of the department 1 week before the oral examination. The oral examination board shall consist of at least 3 persons appointed by the department at the recommendation of the academic advisor. The score is the average of the scores given by all board members who are present in the examination. The passing score for the degree examination is 70 out of 100. Yet, if the student receives individual scores of less than 70 from more than or equal to 1/3 of the members, a fail of the examination will be registered regardless of the average score. Scoring will be given once only for each examination.

6. 具博士候選人資格或已通過博士班資格考試筆試之博士班研究生修習期間因故離校，經入學考重新入學且未改變研究領域，其資格考試筆試部分得予以免除。本款以使用一次為限。

Students qualified as doctoral candidates or who have passed the written examination of the qualifying examination who drop out from school for a specific reason in the duration of the study and who have taken a reattempt of admission test for readmission in the same subject are not required to take the written examination of the qualifying examination again. The effect under this subparagraph will be applicable once only.

七、學位考試

VII. Degree Examination

1. 博士候選人申請博士學位考試前，須符合下列事項：

Doctoral candidates must meet the following requirements before applying for degree examination:

- (1) 應符合本辦法第三節第1款畢業學分之規定。

Meeting the course requirement as specified in III-1 of the regulations.

- (2) 至少須以交通大學土木系名義發表兩篇期刊全文論文，其中至少一篇須發表於SCI、SSCI或AHCI資料庫收錄之期刊全文論文。且該篇論文除指導教授外，申請人必須為第一作者。上述兩篇論文不包含申請人碩士論文直接改寫之文章且必須與博士論文相關。學位考試前必須先將相關資料送系務會議審查通過。

Publishing at least 2 full journal papers with the affiliation of the Department of Civil Engineering at National Chiao Tung University of which at least 1 paper shall be published by journals indexed in the SCI, SSCI, or AHCI database. For one of the above papers published in a journal indexed by the SCI, SSCI, or AHCI database, the student must be the first author or the lead author after the academic advisor. The above 2 papers should not be directly rewritten from the master thesis and must be related to the doctoral dissertation. Students must present related information to the Department Affairs Meeting for review and approval before the degree examination.

- (3) 具博士候選人資格之博士班研究生修習期間因故離校，經入學考重新入學，其先前在本系發表之論文，在未改變研究專長之條件下，經確認得予以承認，本款以使用一次為限。

Academic papers published by doctoral students qualified as doctoral candidates dropping out of school for specific reasons in the duration of study but are readmitted after taking the admission test again should be recognized on condition that the area of specialization of study remains unchanged. The effect of this subparagraph is applicable once only.

2. 博士班學位考試至少須於一週前於系公佈欄公佈考試時間、地點及論文題目。

The time, place, and dissertation topics must be announced on the bulletin board of the department at least 1 week before the doctoral degree examination.

3. 博士學位考試委員會置委員五人至九人，由本系就校內外學者專家中對研究生所提論文有專門研究，並具備下列資格之一者，向校長推薦，由校長遴聘組成之，校內外委員均各須佔三分之一（含）以上。

The doctoral degree examination board should consist of 5 to 9 members. The members of the examination board should be scholars and experts of NCTU, or those outside with expertise in the subject of the dissertation of the graduate student, and meet any of the following qualification requirements recommended by the department/college to the President of NCTU who in turn appoints the board. At least 1/3 of the members should be NCTU faculties and another 1/3 from scholars and experts outside NCTU.

- (1) 曾任教授者。

In the capacity of a professor.

- (2) 擔任中央研究院院士或曾任中央研究院研究員者。

In the capacity of a fellow of Academia Sinica or a research fellow of Academia Sinica.

- (3) 曾任助理教授、副教授者或擔任中央研究院助研究員、副研究員，在學術上著有成就者。

In the capacity of an assistant professor, associate professor or an assistant research fellow, associate research fellow at Academia Sinica with academic excellence.

- (4) 獲有博士學位，在學術上著有成就者。

Holder of a doctorate degree and demonstrating academic excellence.

- (5) 屬於稀少性或特殊學科，在學術上或專業上著有成就者。

With academic or professional achievement in distinctive or special academic disciplines.

前項第三至第五款之提聘資格須提送系務會議核定。

The qualification requirements for appointment as stated from (3) to (5) shall be subject to the approval of the Department Affairs Meeting of this department.

4. 學位考試成績以七十分為及格，一百分為滿分，並以出席委員評定分數之平均值決定之。逾出席委員三分之一以上（含）委員評定不及格者以不及格論，且評定以一次為限。

The score is the average of the scores given by all board members who are present in the examination. The passing score for the degree examination is 70 out of 100. Yet, if the student receives individual scores of less than 70 from more than or equal to 1/3 of the members, a fail of the examination will be registered regardless of the average score. Scoring will be given once only for each examination.

5. 學位考試成績不及格而其修業年限未屆滿者，得重考一次，重考不及格，即令退學。但逕讀生之博士學位考試重考仍不及格而合於碩士學位頒發標準者，得改授碩士學位。

Students who failed the examination but are still within the allowable period of study may take a reattempt in the examination. Only one reattempt will be granted or the student will be ordered to withdraw from the study. If the student directly pursues the doctoral degree program from the undergraduate program and fails the doctoral degree examination twice but meets the requirements for conferral of a master's degree, the student will be conferred a master's degree instead.

6. 畢業論文應以中文或英文打字，印刷成冊，其格式須符合校方規定。論文初稿應在考試日期七天以前送達學位考試委員評閱。

The dissertation shall be typed in Chinese or English and printed into a volume. The format shall conform to the requirement of NCTU. The preliminary draft of the master thesis shall be forwarded to the members of the doctoral degree examination board for review and comment at least 7 days before the degree examination.

7. 論文有抄襲或舞弊情事，經考試委員會審查確定者，學位考試以不及格論。如授予學位後，再發現有抄襲或舞弊情事者，經調查屬實者，應撤銷其學位，並追繳學位證書。

If the dissertation is found to be replicating the work of a third person or cheating as determined by the examination board after review, a fail of the degree examination will be registered. If a degree has been conferred but the student concerned was found to be cheating or replicating the work of a third person with proof, the degree so conferred will be revoked. Likewise, the degree diploma will be reverted.

8. 博士班研究生在規定年限內修滿規定的科目與學分，並通過博士學位考試及格者，應准予畢業並授予博士學位。

Graduate students in the doctoral degree program who have completed the required number of courses and credits and passed the degree examination shall be permitted to graduate from the program and be conferred the doctoral degree.

9. 博士學位論文(含摘要)以中文撰寫為原則，並須符合「國立交通大學學位論文格式規範」。學位考試通過後一個月內應將論文摘要及全文電子檔上網建檔(依照「國立交通大學圖書館學位論文摘要及全文電子檔建檔規範」辦理)，並繳交論文三冊；一冊本校圖書館陳列，一冊由教務處彙轉教育部指定之度藏單位收藏，一冊(正本)由本系所收藏。

The doctoral dissertation (including the abstract) should be written in Chinese and conform to the “National Chiao Tung University Regulations Governing the Format of Dissertations/Theses”. After passing the degree examination in a month, students should create a file of the abstract and full text of the doctoral thesis online in soft copy (follow the instruction of “National Chiao Tung University Regulations Governing the Format

for the Creation of Electronic File of the Abstract and Full Text of Degree Dissertation/Thesis for Library Collection”) and submit the doctoral thesis in triplicate. The library will keep 1 copy for the collection. A designated body of the Ministry of Education will keep 1 copy through the Office of Academic Affairs. The Department will keep 1 (original) copy.

八、轉學、轉系或轉組

VIII. Transfer from school, department, or area of specialization

1. 本系不招收博士班轉學或轉系生，情況特殊者，得提報系務會議討論之。

This department will not accept transfer students from other schools or departments for the doctoral degree program except under special circumstances after reporting to the Department Affairs Meeting for discussion.

2. 博士班研究生不得轉組，情況特殊者，得提報系務會議討論之。

Graduate students of the doctoral degree program cannot switch to other subject area groups except under special circumstances after reporting to the Department Affairs Meeting for discussion

九、訴願與處理

IX. Petition and Response

研究生在修業期間若自認有受到不公平或不合理的待遇時，得以書面方式向系方提出訴願，系方應就訴願內容在三十天內完成調查並做合理解決。

Graduate students who deem themselves as being treated unfairly or unreasonably in the duration of study may petition with the department in writing. The department shall complete an investigation in response to the content of the petition within 30 days and give a fair resolution.

十、辦法之修訂

X. Amendment to the regulations

1. 本修業規章如有未盡事宜，悉依教育部及本校有關規定辦理，仍有疑義者應提系務會議決議之。

Anything not mentioned in this set of regulations shall be governed by applicable rules and regulations of the Ministry of Education and NCTU. Students who still have queries may refer the issue to the Department Affairs Meeting for resolution.

2. 本修業規章由系務會議通過訂定，經院課程委員會及校級課程委員會審查，再送教務會議核備後實施，修訂時亦同。

This set of regulations shall come into force at the resolution of the Department Affairs Meeting subject to the review of the College Curriculum Committee and the University Curriculum Committee and referral to the Academic Affairs Meeting for the record. The same procedure applies to any amendment thereto.