

國立中央大學

通訊工程學系博士班學生修業辦法

九十一年九月三日所務會議通過
九十一年十月二十二日所務會議通過
九十一年十一月七日教務處核備通過
九十二年八月十三日系務會議修正通過
九十四年三月十日系務會議修正通過
九十四年五月六日系務會議修正通過
九十四年九月二十九日系務會議修正通過
九十六年六月五日系務會議修正通過
九十六年六月十三日教務會議修正通過
一百零九年九月二十八日系務會議修正通過
101.01.11 教務會議核備
103.03.03 系務會議修正通過
103.06.11 教務會議核備
107.12.10 系務會議修正通過
108.01.09 教務會議核備
108.10.02 系務會議修正通過
109.01.08 教務會議核備

第一條 本辦法依本校「學則」及「博士班、碩士班研究生學位考試細則」訂定之。

第二條 修業年限

- 一、修業年限以二年至七年為限。以在職生身份入學者得再延長修業年限一年。
- 二、逕修讀博士學位者，自入博士班起，則依博士班之規定。

第三條 修課規定

- 一、畢業前至少須修滿研究所課程十八學分；逕修讀博士學位者至少須修滿三十四學分(內含至少十八個博士班學分)；前述學分均不包括畢業論文學分。
- 二、在畢業前，每學期至少均須必選「專題討論」課程，第五學期(含)開始經指導教授同意簽送免修申請表後，不受此限；其他特殊原因者，須經課程委員會議同意後，始可免修。
- 三、學分抵免申請悉依本系「研究生學分抵免辦法」辦理。

第四條 論文指導規定

- 一、學生須於入學一年內選定論文指導教授，其論文指導教授應由本系專任主聘教師擔任，並以書面向本系申請，經課程委員會審查批准。於第二學年起，須於每學年九月底前重新填寫書面申請表向系辦報備論文指導教授同意繼續指導狀況。
- 二、若因特殊理由需選擇非本系專任主聘教授指導，必須事先以書面申請經課程委員會審核批准並須有一位本系專任主聘教師為共同指導教授。
- 三、學生在論文進行中不得任意變更論文指導教授，如因故確須更換者，須先經原指導教授同意並以書面向本系申請，經課程委員會審查通過後方得變更，並須重新向本系提出論文研究方向接受審查。

第五條 博士學位候選人資格考核規定

學生同時完成下列二項者為本系博士學位候選人：

- 一、通過本系博士班資格考核，相關事項由本系「資格考核辦法」另行規定；未能於期限內通過本系資格考核者應予退學。
- 二、滿足修課規定並通過本系免修課程申請。

第六條 學位考試之條件與程序

- 一、通過本系課程委員會之畢業資格審查。

(一)博士學位候選人經指導教授同意，須檢具相關文件送請課程委員會議進行畢業資格審查；課程委員會應於申請日起二個月內審理。

- (二)課程委員會除審查該生論文著作之發表之質與量外，並審查該生修課情形是否合適或學分是否修足。必要時得要求學生予以加修。
- (三)在畢業論文學位考試前，博士班生須有至少兩篇，以英文撰寫與畢業論文相關之學術期刊論文在本系就讀期間被接受，且至少一篇為SCI論文，其論文發表以本校全銜刊登；除指導教授外，該生須為第一作者，本系始承認其為在學期間之研究成果。

二、通過本系之畢業論文預備口試。

- (一)畢業論文預備口試由其指導教授召集本校助理教授或助理研究員以上且符合本校提聘資格之委員共三人組成，除指導教授外，該組之委員至少一人，以審定其論文內容是否滿足完整性及連貫性。
- (二)須獲得全體委員三分之二以上同意，始得通過口試；口試通過後始得安排畢業論文學位考試，且須於系辦公室公開展覽論文初稿及著作。
- (三)預備口試委員須為畢業論文學位考試之當然委員，除非因故無法擔任，經由原口試委員同意，得專案報請系主任核定更改。
- (四)預備口試若未通過，須於三個月後，始得提出申請重考，而口試委員必須為先前之委員，除非因故無法擔任，經由原口試委員同意，得專案報請系主任核定更改。

三、通過畢業論文學位考試。

- (一)學位考試以口試進行之。
- (二)口試委員由指導教授邀請校內外七至九人，其中校外委員須至少三人；所有口試委員資格需符合本校及教育部規定。
- (三)學位考試之其他相關規定，悉依本校「博士班、碩士班研究生學位考試細則」辦理。

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。

第八條 本辦法經系務會議通過，送教務會議核備後實施，修正時亦同。

Doctoral Degree Requirements of the Department of Communication Engineering, National Central University

Approved at the Institute Affair Committee meeting on September 3, 2002

Approved at the Institute Affair Committee meeting on October 22, 2002

Approved for reference at the Academic Affairs Committee meeting on November 7, 2002

Revised and approved at the Departmental Affairs Committee meeting on August 13, 2003

Revised and approved at the Departmental Affairs Committee meeting on March 10, 2005

Revised and approved at the Departmental Affairs Committee meeting on May 6, 2005

Revised and approved at the Departmental Affairs Committee meeting on September 29, 2005

Revised and approved at the Departmental Affairs Committee meeting on June 5, 2007

Revised and approved at the Academic Affairs Committee meeting on June 13, 2007

Revised and approved at the Departmental Affairs Committee meeting on September 28, 2011

Approved for reference at the Academic Affairs Committee meeting on January 11, 2012

Revised and approved at the Departmental Affairs Committee meeting on March 3, 2014

Approved for reference at the Academic Affairs Committee meeting on June 11, 2014

Revised Revised and approved at the Departmental Affairs Committee meeting on December 10, 2018

Approved for reference at the Academic Affairs Committee meeting on January 9, 2019

Revised Revised and approved at the Departmental Affairs Committee meeting on December 2, 2019

Approved for reference at the Academic Affairs Committee meeting on January 8, 2020

- I. These requirements were formulated based on the National Central University Study Regulations and the National Central University Rules Governing the Master's and Doctoral Degree Qualifying Exam and Thesis Defense.

II. Time Limitation

- A. Doctoral students are required to complete the program within 2–7 years. Doctoral students enrolled as part-time students are allowed to apply for a one-year extension.
- B. Students applying for direct entry to the doctoral program (direct entry students) must comply with the doctoral degree requirements stated herein after entering the program.

III. Course Requirements

- A. Before graduation, doctoral students must complete a minimum of 18 graduate course credits, and direct entry students must complete a minimum of 34 course credits (at least 18 of which should be doctoral course credits). Thesis credits are not included in the aforementioned course credits.
- B. Before graduation, doctoral students are required to enroll the course 「Seminar」 each semester. Starting from the fifth semester, students who have obtained their advisors' approval and submitted course exemption application forms accordingly are exempted from this regulation. Students who are unable to comply with this regulation because of other reasons must obtain the approval of the Curriculum Committee for exemption.
- C. Graduate credit transfers or exemptions are accepted according to the Graduate Credit Transfer or Exemption Guidelines of the Department.

IV. Dissertation Advisory Requirements

- A. Prior to the completion of the first year in the program, doctoral students are required to select a dissertation advisor from the full-time faculty members of the Department, submit paper application forms to the Department, and obtain the approval from the

Curriculum Committee. Starting from the second academic year, the students must resubmit paper application forms to the Department by the end of every September to reconfirm the advisors' willingness to advise them.

- B. If because of particular reasons, a doctoral student needs to select an advisor from the full-time faculty members of other departments, the student is required to submit paper applications in advance for the review and approval of the Curriculum Committee. Additionally, the student is required to select a co-advisor from the full-time faculty members of the Department.
- C. Doctoral students must not arbitrarily change dissertation advisors during dissertation research. If circumstances necessitate such change, the students must obtain the approval from the original advisors, submit paper applications to the Department, and gain the approval of the Curriculum Committee before changing advisors. Afterwards, the students must resubmit a dissertation proposal to the Curriculum Committee for review.

V. Advancement to Candidacy

Doctoral students are advanced to doctoral candidacy after completing the following requirements:

- A. Pass doctoral qualification assessments conducted according to the Doctoral Qualification Assessment Criteria of the Department. Students who fail to pass the qualification assessments within the limited time should withdraw from the program.
- B. Complete course requirements and obtain approvals for exempted courses.

VI. Doctoral Examination Procedure and Requirements

- A. Pass the graduation qualification reviews conducted by the Curriculum Committee of the Department.
 - 1. After obtaining the approval of the advisor, doctoral candidates must send the required documents to the Curriculum Committee for a review. The review process must be completed by the Committee within 2 months after the application date.
 - 2. In addition to the quality and quantity of a candidate's publications, the Committee must review whether the courses taken and credits earned by the candidate meet the requirements. The Committee may ask the candidate to take additional courses when necessary.
 - 3. Before the dissertation examination and during the enrollment in the program, a doctoral student must have **at least two papers that are written in English and related to the dissertation topic, are published or accepted by academic journals,** and at least one of the papers must be accepted and published by SCI journals. Both papers must be published with the full title of the University. The Department only recognizes the research contributions of a doctoral student during the enrollment in the program if the student is the first author of the published or accepted papers or the second author when the advisor is the first author.
- B. Pass a pre-oral defense examination.
 - 1. The advisor convenes a pre-oral defense committee consisting of three

assistant/associate/full professors of the University, at least one of whom should be a faculty member of the Department, to review the completion and consistency of the submitted dissertation.

2. At least a two-third approval of the pre-oral defense committee is required for the doctoral candidate to pass the pre-oral defense, after which the candidate is allowed to apply for a final dissertation examination. The dissertation draft and publications of the candidate must be exhibited publicly in the Department Office.
3. Pre-oral defense committee members must be the ex officio members of the following final oral defense committee. If circumstances prevent an ex officio committee member from fulfilling this duty, the committee formation change must be approved by that ex officio member and reported for the approval of the Department Head.
4. Doctoral candidates who fail the pre-oral defense must wait for 3 months before reapplying for a pre-oral defense. The pre-oral defense committee must be of the same formation of the previous pre-oral defense committee. If circumstances prevent an original committee member from continuing the membership, the committee formation change must be approved by that original member and reported for the approval of the Department Head

C. Pass a final oral defense examination.

1. The examination is conducted in the form of an oral defense.
2. The advisor convenes a final oral defense committee consisting of seven to nine members, at least three of whom should be external to the University. All of the committee members should meet relevant requirements formulated by the University and the Ministry of Education.
3. Other requirements regarding degree examinations are referred to in Rules for Master's and Doctoral Degree Examinations.

VII. Other unspecified circumstances must be settled according to the relevant regulations announced by the Ministry of Education or the University.

VIII. The aforementioned requirements were approved at a Departmental Affairs

Committee meeting, and will become effective after being approved for reference at an Academic Affairs Committee meeting. Revisions to the requirements must undergo the same procedure.