

National Chengchi University Department of Management Information Systems Doctoral Program Regulations

*The Chinese version of the Regulations shall ultimately prevail.

Amended and approved by department faculty meeting on June 21, 2021
Amended and approved by department faculty meeting on December 25, 2023
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Article 1 Duration and Full-Time Requirements

1. The duration of study shall be subject to the regulations of the Ministry of Education and the University.

Article 2 Course Taking Requirements

1. The minimum graduation credits are 28, including:

- (1) Compulsory courses (12 credits, 3 credits for each of the four courses)

This policy applies to students admitted in or before the 100th academic year, those admitted to the Commerce and Management Group or Industry Group in the 101 academic year, and students in the Information Management Group or Industry Group admitted between the 102 and 107 academic years. Students admitted to the Information Management Group between the 108 and 112 academic years.

1. Information Management group:

- (1) Information Management Research
- (2) Advanced Research Methods
- (3) Information Technology Research
- (4) Advanced Quantitative Methods

2. Technology group:

The Technology group includes students admitted in or after the 101 academic year.

- (1) Information Management Research
- (2) Advanced Innovative Technology
- (3) Advanced Information System Research and Development
- (4) Advanced Quantitative Methods

3. Information Management group after the 113 academic year:

- (1) Information Management Research
- (2) Advanced Research Methods
- (3) Strategic Research Development and Writing
- (4) Advanced Quantitative Methods

- (2) Major elective courses (electives within the Department)

Doctoral students shall take at least 9 credits of the major elective courses within the doctoral class of the Department.

- (3) Minor elective courses (electives at other departments) (9 credits)

Since management information systems requires extensive knowledge, doctoral students shall choose a minor to reinforce the knowledge required for management information systems. A field may be recognized as a minor when one has taken and passed 9 credits worth of doctoral courses in the field. The minor shall be acknowledged by the advisor.

- (4) Seminars (4 credits)

Doctoral students shall take four semesters of doctoral seminars during the program.

- (5) Academic ethics course (1 credit)

The 1-credit course "Academic Ethics" is required. This course is offered by Sinyi School every year. Full participation is required in the course, and students shall complete this course before graduation.

2. One shall take no more than 6 credits of major or elective courses taught by the same instructor in the Department.
3. Students shall participate in the “Research Presentation Camp” of College of Commerce and present their research papers within three years of enrollment (not counting the periods of suspension or retention of student status).

Article 2-1 Group Transfer

1. Students in the Information Management and Technology groups enrolled before or during academic year 112 may apply to the department office for transfer after two semesters of study. The transfer procedure shall be completed after the head of the Department signs the application. After the transfer, students shall meet the requirements of their new group before they may graduate.
2. Students in the Information Management and Technology groups enrolled from the academic year 113 onwards may apply to the department office for transfer after two semesters of study. They should submit a transfer application along with the required documents for review. Upon approval by the relevant convener(s) of the Information Management and Technology groups (for both incoming and outgoing transfers) and with the consent of the Department Head, the transfer process is considered complete. The transfer will take effect in the next semester. After the transfer is approved, students must meet the academic requirements of the new group before being eligible for graduation. No further requests for changes or transfers back to the original group will be accepted.

Article 3 Prerequisite Courses

1. General

- (1) **【This clause is applicable to students in the Information Management group enrolled in academic year 105 to 112】**

Any doctoral student who has not taken the following courses in their undergraduate or master’s programs shall make up the missed subjects (not counting credits), including: (1) Economics (2) Financial Accounting I (3) System Analysis and Design (4) Enterprise Data Communication (5) IT Strategy and Management (6) Data Model (7) Decision Science (8) Research Methods, among which students may choose two of the four undergraduate courses (1)(2)(3)(4) as makeups. (5)(6)(7)(8) are courses in master’s programs, and they are respectively prerequisite for Information Management Research, Information Technology Research, Advanced Quantitative Methods, and Advanced Research Methods in the doctoral program, which are not restricted with undergraduate prerequisites.

- (2) **【This clause is applicable to students in the Technology group enrolled in academic year 105 to 112】**

Any doctoral student who has not taken the following courses in their undergraduate or master’s programs shall make up the missed subjects (not counting credits), including: (1) Data Structure (2) Algorithm (3) Operating Systems (4) Enterprise Data Communication (5) IT Strategy and Management (6) Information System Research and Development (7) Decision Science (8) Innovative Technology, among which students may choose two of the four undergraduate courses (1)(2)(3)(4) as makeups. (5)(6)(7)(8) are courses in master’s programs, and they are respectively prerequisite for Information Management Research, Advanced Information System Research and Development, Advanced Quantitative Methods, and Advanced Innovative Technology in the doctoral program, which are not restricted with undergraduate prerequisites.

- (3) **【This clause is applicable to students in the Information Management group enrolled in academic year 113 and after】**

Any doctoral student who has not taken the following courses in their undergraduate or

master's programs shall make up the missed subjects (not counting credits), including: (1) Economics (2) Financial Accounting I (3) System Analysis and Design (4) Enterprise Data Communication (5) IT Strategy and Management (6) Data Model (7) Research Methods (8) Decision Science (9) Enterprise Process Models, among which students may choose two of the four undergraduate courses (1)(2)(3)(4) as makeups. (5)(6)(7)(8)(9) are courses in master's programs, (7) serves as a prerequisite for Advanced Research Methods, while (8) and (9) are prerequisites for Advanced Quantitative Methods, which are not restricted with undergraduate prerequisites.

- (4) **【This clause is applicable to students in the Technology group enrolled in academic year 113 and after】**

Any doctoral student who has not taken the following courses in their undergraduate or master's programs shall make up the missed subjects (not counting credits), including: (1) Data Structure (2) Algorithm (3) Operating Systems (4) Enterprise Data Communication (5) IT Strategy and Management (6) Information System Research and Development (7) Innovative Technology (8) Decision Science (9) Enterprise Process Models, among which students may choose two of the four undergraduate courses (1)(2)(3)(4) as makeups. (5)(6)(7)(8)(9) are courses in master's programs, (6) and (7) are prerequisites for the doctoral courses Advanced Information System Research and Development and Advanced Innovation Technology, respectively, while (8) and (9) serve as prerequisites for Advanced Quantitative Methods, which are not restricted with undergraduate prerequisites.

- (5) Exemptions of prerequisite courses are subject to approval by the doctoral program committee. Incoming students who have not taken certain prerequisite courses for the doctoral program but have received the courses two times or more in a high school or higher with supporting documents, or have obtained credits from credit programs recognized by the Ministry of Education, shall be deemed to have taken the prerequisite courses.

Article 4 Qualification Exam

1. Requests for the qualification exam shall be handled in accordance with the University regulations.
2. The doctoral qualification exam subjects are divided into two groups. Doctoral shall complete and pass the corresponding courses before they may register for the qualification exam of the subject.
 - (1) Information Management group and industry group students enrolled in academic year 102 to 107:
 1. Choose one out of “Information Management Research” and “Information Technology Research”
 2. Choose one out of “Advanced Research Methods” and “Advanced Quantitative Methods”
 - (2) Technology group students enrolled in academic year 101:
 1. Choose one out of “Information Management Research” and “Advanced Quantitative Methods”
 2. Choose one out of “Advanced Innovative Technology” and “Advanced Information System Research and Development”
 - (3) Technology group students enrolled between academic year 102 to 112:

One out of “Advanced Innovative Technology” and “Advanced Information System Research and Development” is required for the exam.
 - (4) Technology group students enrolled from the academic year 113 onwards:
 1. Choose one out of “Information Management Research” and “Advanced Quantitative Methods”

2. Choose one out of “Advanced Innovative Technology” and “Advanced Information System Research and Development”.
- (5) Information Management group students enrolled in academic year 113 onwards:
 1. “Information Management Research” is required for the exam.
 2. Choose one out of “Advanced Research Methods” and “Advanced Quantitative Methods”
3. The qualification exam may be held once during Winter or Summer breaks every semester, and the subjects and registration deadline shall be announced at the beginning of each semester.
4. For students in the Information Management and Technology groups:
 - (1) Enrollment before or during academic year 112:
Doctoral students may choose one or two subjects of examination each time. Qualification exam shall be taken at most two times for each group. In the second test, students may choose to take a different subject within their group.
 - (2) Enrollment from academic year 113 to 114 onwards:
Doctoral students may choose one or two subjects of examination each time. The application for qualification exam shall be at most four times; each subject shall be taken at most two times.
 - (3) Enrollment from academic year 115 onwards:
Doctoral student may take each subject of the qualification exam at most twice.
5. There shall be two members in the question drafting committee for each subject of the qualification exam. While the list of question drafting members shall not be announced, but the Department may ask them to provide the scope of questions and announce it. The full score for each member to allocate is 100, and an average score of 70 for the exam subjects shall be deemed passed.
6. The exams shall be conducted in-class. Students have two hours to complete each exam paper. The exam may be open-book or closed-book. If there are open-book and closed-book tests in the same subject, the closed-book test shall be conducted before the open-book test.

Article 5 Doctoral Candidate

1. **【This clause is applicable to students in the Information Management group and Industry group enrolled between academic year 105 and 107, as well as students in the Information Management group enrolled between academic year 108 and 110】**
In addition to required courses (excluding seminars and English proficiency graduation requirements), doctoral students of the Department shall fulfill the qualifications of doctoral candidacy within three years of enrollment (not counting the period of suspension). Those who do not meet the qualifications shall be withdrawn from the program. The calculation shall be as follows. The passing standard shall be 10 points:
 - (1) Passing the qualification written exam, 5 points for each subject.
 - (2) 20 points for a publication in a journal rated level A or A+ by NCCU College of Commerce.
 - (3) 10 points for a publication in SSCI/SCI journal. (For doctoral students enrolled in the academic year 110, journals deemed doubtful by the Department shall not apply.)
 - (4) 3 points for a publication in EI journal.
 - (5) 5 points for a publication in TSSCI journal.
 - (6) 3 points for a publication in international academic journal with anonymous external review system.
 - (7) 2 points for an English research paper presented in an international academic conference. The maximum points gained from this item shall be 4.
(The conference should have an international agenda committee, the paper shall be presented in full English, and the presentation shall be oral. The student shall be the oral presenter of at least one of the research papers, in order to be recognized for this item.)

- (8) 1 point for a research paper presented in a domestic academic conference. The maximum points gained from this item shall be 2.
- (9) 4 points for an MIS Review: An International Journal paper. The maximum points gained from this item shall be 4.

For items (2) to (9), the paper must be published in the name of National Chengchi University Department of Management Information Systems for recognition. As for the calculation of the points, the percentage of the student's points gained from each paper shall be calculated with the number of authors excluding full-time instructors of the University as the denominator. The point shall not be rounded.

Definition of an international conference by the Ministry of Science and Technology: A conference conducted in full English, with scholars from three or more countries participating and presenting. Student claiming the points should make an oral presentation. The international conference should be organized by one of the following organizations: AIS, DSI, HICSS, IEEE, ACM, ICEB, INFORMS, ICEC, AOM, POMS, AMA, IFIP, EAI, and DEXA.

2. **【This clause is applicable to students in the Technology group enrolled between academic year 105 and 110】**

In addition to required courses (excluding seminars and English proficiency graduation requirements), doctoral students of the Department shall fulfill the qualifications of doctoral candidacy within three years of enrollment (not counting the period of suspension). Those who do not meet the qualifications shall be withdrawn from the program. The calculation shall be as follows. The passing standard shall be 10 points:

- (1) Pass the qualification written exam of at least one subject, 5 points for each subject.
*The exam subject shall be "Advanced Innovative Technology" or "Advanced Information System Research and Development". The implementation details of the qualification exam shall be decided by the Qualifying Panel.
- (2) 20 points for a publication in a journal rated level A or A+ by NCCU College of Commerce.
- (3) 10 points a publication in SSCI/SCI journal. (For doctoral students enrolled in the academic year 110, journals deemed doubtful by the Department shall not apply.)
- (4) 5 points for a publication in TSSCI journal.
- (5) 3 points for a publication in EI journal.
- (6) 3 points for a publication in international academic journal with anonymous external review system.
- (7) 2 points for an English research paper presented in an international academic conference. The maximum points gained from this item shall be 4.
(The conference should have an international agenda committee, the paper shall be presented in full English, and the presentation shall be oral. The student shall be the oral presenter of at least one of the research papers, in order to be recognized for this item.)
- (8) 1 point for a research paper presented in a domestic academic conference. The maximum points gained from this item shall be 2.
- (9) 4 points for an MIS Review: An International Journal paper. The maximum points gained from this item shall be 4.

For items (2) to (9), the paper must be published in the name of National Chengchi University Department of Management Information Systems to be recognized. As for the calculation of the points, the percentage of the student's points gained from each paper shall be calculated with the number of authors excluding full-time instructors of the University as the denominator. The point shall not be rounded.

Definition of an international conference by the Ministry of Science and Technology: A conference conducted in full English, with scholars from three or more countries participating and presenting. Student claiming the points should make an oral presentation.

The international conference should be organized by one of the following organizations: AIS, DSI, HICSS, IEEE, ACM, ICEB, INFORMS, ICEC, AOM, POMS, AMA, IFIP, EAI, and DEXA.

3. **【This clause is applicable to students in the PhD program enrolled between academic year 111 and 112. This clause is applicable also to students enrolled before academic year 110, but the students to whom the clause apply must not selectively comply with the clause.】**

In addition to required courses (excluding seminars and English proficiency graduation requirements), doctoral students of the Department shall fulfill the qualifications of doctoral candidacy within three years of enrollment (not counting the period of suspension). Those who do not meet the qualifications shall be withdrawn from the program. The calculation shall be as follows. The passing standard shall be 10 points:

Passing the qualification written exam of at least one subject, 5 points for each subject.

Technology group: Students shall be required to take the exam of one subject between “Advanced Innovative Technology” and “Advanced Information System Research and Development”. The implementation details of the qualification exam shall be decided by the Qualifying Panel.

Information Management group: 1. Choose one out of “Information Management Research” and “Information Technology Research”; or 2. Choose one out of “Advanced Research Methods” and “Advanced Quantitative Methods”.

- (1) 20 points for a publication in a journal rated level A or A+ by NCCU College of Commerce. 20 points for a publication in specific level B journals (two publications in these journals are considered equivalent to one publication in a level A journal).
- (2) 10 points for a publication in SSCI/SCI journal. (Excluding journals deemed doubtful by the Department.)
- (3) 3 points for a publication in EI journal.
- (4) 5 points for a publication in TSSCI journal.
- (5) 4 points for an MIS Review: An International Journal paper. The maximum points gained from this item shall be 4.

For items (1) to (5), the paper must be published in the name of National Chengchi University Department of Management Information Systems to be recognized. As for the calculation of the points, the percentage of the student’s points gained from each paper shall be calculated with the number of authors excluding full-time instructors of the University as the denominator. The point shall not be rounded.

4. **【This clause is applicable to students in the PhD program enrolled from 113 onwards.】**

Apart from completing the required courses (excluding the prerequisite courses, academic ethics course, seminar, and English proficiency examination), doctoral students in this department must pass two stages of the doctoral candidacy qualification exams (qualification written exam and research presentation qualification exam) as follows:

- (1) Stage 1: students must pass two subjects of qualification written exam within the first two years after enrollment (excluding periods of leave of absence and retention of student status; nevertheless, applications are still allowed). The passing score is a total of 10 points, with each subject of the qualification written exam worth 5 points. If the qualification requirements are not met, the student shall withdraw from the program. The calculation is as follows:

For students in the Technology group:

1. Choose one out of “Information Management Research” and “Advanced Quantitative Methods”
2. Choose one out of “Advanced Innovative Technology” and “Advanced Information System Research and Development”

For students in the Information Management group:

1. “Information Management Research” is required for the exam.

2. Choose one out of “Advanced Research Methods” and “Advanced Quantitative Methods”
- (2) Stage 2: after completing the stage-1 qualification written exam, students must, within four years after enrollment (excluding periods of leave of absence and retention of student status; nevertheless, applications are still allowed), present a research paper (working paper) jointly written with a full-time faculty member of this department during the research presentation qualification exam organized by the department. The paper will be evaluated, and passing the evaluation is considered a successful completion. If the qualification requirements are not met, the student shall withdraw from the program.
- (3) The registration deadline for the two-stage doctoral candidacy qualification exams (qualification written exam and research presentation qualification exam) will be announced separately by the department at the beginning of each semester. The stage-1 qualification written exam will be held once during Winter or Summer breaks every semester. The stage-2 research presentation qualification exam will be held once before the end of each academic year, and students can register for a maximum of two attempts.
4. The department office shall review doctoral candidate qualification every semester. Doctoral students to be reviewed for candidacy shall provide supporting evidence within the period specified by the Department, and the review shall be conducted by the doctoral program committee before the recognition of the points. Journal publications used to qualify for doctoral candidacy shall not be counted in the paper points required for graduation.
5. Doctoral students who have been in the program for less than three years and have met the requirements of doctoral candidacy may also request a doctoral candidacy review during the period specified by the Department.
6. The calculation of journal publication points shall be based on the journal citation list (SCI, SSCI, TSSCI, and EI) of the issue where the student’s paper is accepted or published.

Article 6 Thesis Advisor

1. After obtaining doctoral candidacy, a doctoral student may apply for one or two advisors, and at least one of the advisors shall be a full-time faculty with a title of associate professor or above in the Department.
2. For doctoral students in the Technology group, at least one advisor shall be a full-time instructor in the Technology group of the Department.
3. A full-time instructor of the Department shall be an advisor to no more than 5 doctoral students (PhD and DBA programs).
4. While requesting to confirm the advisors, if an instructor co-advises a student with a non-NCCU full-time instructor, the student quota shall be fully attributed to the NCCU instructor (calculated as 1). If the student is co-advised by full-time instructors of NCCU, the student quota may be equally distributed (1/2 for each NCCU full time instructor).

Article 7 Thesis Proposal and Defense

1. Doctoral students shall make a thesis proposal upon approval of the advisor.
2. The thesis proposal shall include research motivation and purpose, research methods, research outline, expected results, expected contributions, and references.
3. The thesis proposal defense shall be conducted openly, and shall be announced at the department office and department website a week prior to the defense. There shall be a total of five defense committee members, including at least two NCCU members and at least two non-NCCU members, who shall be recommended by the advisor and the head of the Department.
4. Certain non-NCCU defense committee members shall be recused due to conflicts of interests. For example, those who work in the same company as the doctoral student, spouse, blood relative or in-law within third degree kinship shall avoid serving as a defense committee member.

Article 8 Paper Presentation in Academic Conferences

1. **【This clause is applicable to students enrolled in academic year 105 to 113】**
During the doctoral program, students shall present a paper in an international conference along with a full-time instructor (not necessarily the student's advisor) of the Department. The student shall be the oral presenter, and the presentation shall be made in the name of NCCU Department of Management Information Systems. The international conference should be organized by one of the following organizations: AIS, DSI, HICSS, IEEE, ACM, ICEB, INFORMS, ICEC, AOM, POMS, AMA, IFIP, EAI, DEXA, and MSOM.
2. **【This clause is applicable to students enrolled in academic year 114】**
During the doctoral program, students are required to collaborate with a full-time faculty member from the department (who may or may not serve as their advisor) to co-author at least one paper for presentation at an international conference. The student must be the designated oral presenter and clearly indicate their affiliation with the Department of Management Information Systems, NCCU. The conference must be selected from the department's approved list, as published on the official website.
3. For the calculation of number of conference papers required for the graduation of doctoral students, the percentage of the student's contribution to each paper shall be calculated with the number of authors excluding full-time instructors of the University as the denominator. The points shall be aggregated to get a total and shall not be rounded.

Article 9 Doctoral Academic Paper Publication

1. General Group

- (1) **【This clause is applicable to students enrolled in academic year 104 and after.】**

For part or all of the academic papers required for doctoral students to graduate, in addition to the 10 points required for the qualification exam, an additional 10 points shall be earned for the student to graduate. The additional 10 points shall be calculated as follows:

1. 20 points for a publication in a journal rated level A or A+ by NCCU College of Commerce. 20 points for a publication in specific level B journals (two publications in these journals are considered equivalent to one publication in a level A journal).
2. 10 points for a publication in SSCI/SCI journal. (For doctoral students enrolled in the academic year 110 and after, journals deemed doubtful by the Department shall not be included.)
3. 5 points for a publication in TSSCI journal.
4. Doctoral students in the Technology group implement an information system under the supervision of the advisor (s) and pass the system implementation review for 5 points. The maximum points gained from this item shall be 5.

Before submitting for review, doctoral students shall present their implementation topics in journals or international conferences as the first author. The conference papers shall be reviewed in full text. The system implementation review procedure is as follows:

- (1) The student makes a system implementation review proposal including details of the background, research methods, specific goals, and actual completed items. The proposal shall be reviewed by the Technology group.
- (2) After passing the review, the Technology group shall invite five to seven teachers or experts in related fields from inside and outside of the University to organize a "system implementation review committee" (the advisor is an ex officio member, and non-NCCU members shall not be fewer than NCCU members). The key review criteria include:
 - a. Importance and practicality of the system topic.
 - b. Innovation of the implementation system.
 - c. Complexity of the implementation system.

- d. Related system files.
 - e. System display.
- (3) The review committee shall vote to determine the result of the review. The results are divided into:
- a. Passed: but the student shall add improvement items requested by the committee to the system.
 - b. Failed: no further proposal of implementation review shall be made within six months.
5. 5 points for Technology group students domestically and internationally obtaining patents related to information technology along with their advisors. The number of patent points for joint inventions shall be handled in accordance with the calculation method of journal publication points.
- (2) The requirements for the publication of academic papers required by doctoral students for graduation are as follows:
- 1. It must be published in the name of National Chengchi University Department of Management Information Systems to be included in the thesis required for graduation.
 - 2. This provision applies to students in the academic admitted in or prior to the 112th academic year
Must co-publish at least one paper above TSSCI (including TSSCI, SSCI, and SCI Expanded) with a advisor (s) of the department, and the doctoral student must be the first author except the advisor (s).
 - 3. This provision applies to students in the academic admitted in or prior to the 112th academic year
Must co-publish at least one paper above TSSCI (including TSSCI, SSCI, and SCI Expanded) with advisor (s), and the doctoral student must be the first author except the advisors.
 - 4. If the advisor is replaced, the new advisor will decide whether to recognize the papers jointly published by the student and the original advisor.
- (3) For the calculation of number of conference papers required for the graduation of doctoral students, the percentage of the student's contribution to each paper shall be calculated with the number of authors excluding full-time instructors of the University as the denominator. The points shall be aggregated to get a total and shall not be rounded.

Article 10 Doctoral Candidate (ABD, All but dissertation) “Ph.D. Candidate (ABD)”

Doctoral students who have obtained doctoral candidacy and meet the requirements for doctoral academic papers as specified in Article 9 shall be deemed doctoral candidates.
(ABD, All but dissertation) “Ph.D. Candidate (ABD).”

Article 11 Public Speech

- 1. After making a thesis proposal and before the defense, doctoral students shall give a public speech to teachers and students of the Department.
- 2. If the public speech is held during the semester, it shall be made in a doctoral seminar course.

Article 12 Degree Exam

- 1. Six months after passing the thesis proposal defense, a request for degree exam may be submitted.
- 2. The doctoral academic paper publication requirements as specified in Article 9 shall be fulfilled before students submit a request for degree exam.
- 3. The doctoral degree exam shall be announced at the department office and department website two weeks prior to the defense. The defense committee shall be composed of five to nine members, among which more than one-third shall be non-NCCU members, recommended by the advisor and the head of the Department. The qualifications of the degree exam committee

members shall be determined in accordance with the relevant regulations of the Ministry of Education and the University. Certain non-NCCU defense committee members shall be recused due to conflicts of interests. For example, those who work in the same company as the doctoral student, spouse, blood relative or in-law within third degree kinship shall avoid serving as a defense committee member.

4. One shall pass the degree exam with the approval of two-thirds or more of the members, and an average of 70 points or above. Those who fail the degree exam may apply for a re-examination from the next semester. A student shall take no more than one re-examination.
5. In general, the doctoral thesis shall be written in traditional Chinese. For thesis written in English, the title and abstract shall still be written in traditional Chinese. To write the thesis in languages other than Chinese and English, the student shall obtain approval from the department faculty meeting.

Article 13 English Proficiency Requirements

Doctoral students shall meet one of the following criteria to be deemed to have passed the graduation standards of the Department and to attend a degree exam. Only test results within two years from the test date shall be valid.

1. Students enrolled in academic year 100 and after:
 - (1) 550 or above in TOEFL PBT (old system).
 - (2) 213 or above in TOEFL CBT.
 - (3) 79 or above in TOEFL iBT.
 - (4) 6.0 or above in IELTS.
 - (5) GEPT High-Intermediate second part or above.
 - (6) 750 and above in TOEIC.
 - (7) FCE or above in Cambridge Certificate.
 - (8) Take 108 hours of English courses in the language centers of public and private universities registered to the Ministry of Education, and get a grade of 70 or more in each course. At least 1/3 of the courses shall be writing and 1/3 shall be speaking. The courses shall be completed within two years to be deemed valid.
2. Doctoral students who have obtained a master's degree in an English-speaking country shall be verified by the department office before they are deemed to have passed the English proficiency graduation requirements.
3. For doctoral students enrolled in academic year 97 and after, their English proficiency shall reach at least iBT 79 (or corresponding scores in other English proficiency tests). For those who have reached iBT 61 but not iBT 79, they shall adopt one of the following makeup plans and get a grade of 70 (passing score in the master's and doctoral programs) or more in each course:
 - (1) "English Academic Writing (I)" and "English Academic Writing (II)" offered by the Continuing Education Center of NCCU Foreign Language Center.
 - (2) "English Reading and Writing Skills" and "Advanced English Writing" programs offered by NTNU English Teaching Center.
 - (3) "English Writing Development" and "Basic Academic Writing" offered by NTU Language Center.
 - (4) Doctoral-program-related writing courses offered by foreign instructors in the Department.

Article 14 These Regulations shall be implemented upon approval by the department faculty meeting. The same shall apply to any amendments.