

國立中興大學科技管理研究所博士班研究生修業辦法

The NCHU Institute of Technology Management Regulations on Academic Studies for Ph. D. Students

(適用 97-99 學年度入學之研究生)
(Applicable to students admitted in 2008-2010)

中華民國 97 年 4 月 11 日所務會議通過

Promulgated by ITM Institute affairs committee meeting on April 11, 2008

中華民國 98 年 4 月 24 日所務會議修正通過(第四條第 8 款)

Amended by ITM Institute affairs committee on April 24, 2009 (4-8)

中華民國 100 年 3 月 21 日所務會議修正通過(第五條第 4 款)

Amended by ITM Institute affairs committee on March 21, 2011 (5-4)

中華民國 100 年 4 月 22 日所務會議修正通過(第五條第 5 款)

Amended by ITM Institute affairs committee on April 22, 2011 (5-5)

中華民國 100 年 11 月 15 日所務暨課程會議，修正通過(第五條第 3、5 款)

Amended by ITM Institute affairs committee on Nov 15, 2011 (5-3、5-5)

中華民國 103 年 02 月 12 日所務會議，修正通過(第六條)

Amended by ITM Institute affairs committee on Feb 12, 2014 (6)

一、前言

I. Preamble:

為輔導本所博士班研究生修課，特依據教育部頒佈之「學位授予法」，本校教務章則之「學則」及「博士班章程」、「博士學位考試細則」等相關法規及本所相關規定訂定本辦法。

This Regulation is enacted for the Ph. D. Students to study in the ITM (Institute of Technology Management) of National Chung Hsing University (NCHU) and pursuant to the *Law of Academic Degree Conferment* promulgated by the Ministry of Education, the *General Rule and Regulation of NCHU*, the *Ph.D. Program Regulation* and the *Examination Rules of Ph. D. Degree* of NCHU, and other relevant guidelines promulgated by the institute.

二、入學資格

II. Admission Requirement

1. 公立或已立案之私立大學、獨立學院、或經教育部認可之國外大學畢業獲有碩士學位者，或具有同等學力規定之資格者，均可報考本研究所博士班，經入學考試錄取後進入本所。

Applicants who hold a Master degree or equivalent from public universities, registered private universities, independent academies, or foreign academic institutions recognized by the Ministry of Education (MOE) of the Republic of China are eligible to take the Ph. D. Student Entrance Exam to enroll in the Ph.D. programs of the Institute.

2. 本所入學報名及考試等有關事宜由本所配合本校教務處辦理之，其考試科目、報考作業及時程以本校教務處訂定之招生簡章及公告為準。每年博士班研究生錄取名額，則依教育部核定者為準。

All issues related to applications and examinations pursuant to the NCHU Office of

Academic Affairs are enforced and by the Institute. The subjects of the examination, application process and related schedule are enforced in accordance with the admission brochure and announcement issued by the NCHU Office of Academic Affairs. The number of admitted students for The Ph. D. Program is based what allocated by the MOE.

3. 外國學生入學依本校「外國學生入學辦法」辦理之。

International students' application for admission is based on the NCHU Admission Regulation for International Students.

三、修業年限及學分

III. Limits on Maximum Years Allowed for Pursuing of PhD Program and Curriculum Units

1. 博士班修業期限以二至七年為限，但在職進修研究生未在規定修業期限修滿應修課程或未完成學位論文者，得延長修業期限壹年。

前述所稱「在職進修研究生」係指以在職生身份錄取入學之研究生。

The period of study for full-time Ph. D. program is 2-7 years, Part-time students who are unable to complete the course or finish thesis within the period of study may apply for extension of one year. The aforementioned "part-time student" is based on the student status registered when enrolling in the Ph. D. program.

2. 博士班畢業最低學分為修課 24 學分(不含畢業論文 12 學分)，逕修博士學位研究生至少修滿 36 學分(不含畢業論文 12 學分)。

The Ph. D. student must complete 24 credits of courses and 12 credits of thesis. The Ph. D. students who enroll the Ph. D. program directly from Master program must complete 36 credits of courses and 12 credits of thesis.

3. 至其他系所選修最多可抵免 6 學分，需經所務會議通過，始得抵免本所學分數，若選修外系所開設之課程，課程名稱與本所相同，視為外系所之學分數。

A maximum of 6 credits can be substituted by similar titled courses offered in other departments or institutes, with approval in advance by the Institute Affairs committee meeting.

4. 博士班各科成績均以一百分為滿分，七十分為及格，未及格者不得補考，亦不核給學分；必修科目須於修業年限屆滿前重修完成，否則不得畢業。

The passing grade and full marks of all mater courses are 70 and 100, respectively. The Ph. D. student who fails any course does not earn any credit from it and he or she is not allowed to have any make-up exam and should retake the failed course. All required core courses must be completed within the period of study in order to graduate and get the Ph. D. degree.

5. 每學期所開設的『科技管理專題研討』，在校期間須獲四次及格成績。

The students have to pass "Special Topics of Technology Management" four times in the period of study.

四、論文指導

IV. Ph. D. thesis

1. 研究生撰寫學位論文須敦請指導教授指導、審核之，並須於入學第一學年結束前敦請指導教授，未於規定期限內敦請指導教授者，應予勒令休學一學期。

The Ph. D. thesis shall be supervised and reviewed by the advisor. The student shall choose a faculty member of the institute as thesis advisor before the end of the first school year. The student who fails to choose an advisor before the above deadline will be suspended for one semester.

2. 指導教授以敦請本所專任教師擔任為原則；如因論文專長領域指導之需要，擬敦請本校外系所或校外單位任職教師擔任指導教授者，須有本所教師擔任共同指導教授，且須於本所提報截止日前三個月，報請本所審議通過後辦理登記。其待遇悉依本校相關規定辦理之。

If the thesis requires an advisor who is not a faculty member of the institute, the student shall be co-supervised by one faculty member from the Institute and the other one from other institute or university. The application for co-supervision must be submitted to the institute one month before the deadline. The co-advisor who is not NCHU faculty member should also be in accordance with NCHU regulations.

3. 研究生選定指導教授後，依限填具「指導教授名單通知書」，並由所長核章後，送註冊組彙辦。

After the student selects a thesis advisor, the “Thesis Advisor Notification Form” has to be completed and submitted to Division of Registration after ITM Chair’s approval.

4. 學位論文指導教授應具下列資格

Thesis advisor must fulfill at least one of the following requirements.

- (1) 本所專任教師。

Full-time faculty member of the institute.

- (2) 擔任中央研究院院士或擔任中央研究院研究員、副研究員、助理研究員者。

Academician, research fellow, associate research fellow, or assistant research fellow of Academia Sinica.

- (3) 外所或外校具教授或副教授或助理教授資格，並經本所評定合格者。

The person who are professors, associate professors, or assistance professors from other institutes or other universities, and who can be approved by the institute.

- (4) 獲有博士學位，或屬於稀少性、特殊性學科，於學術上或專業上著有成就、並經本所評定合格者。

The person who has a Ph.D. degree or belongs to rare or special research fields, and has outstanding academic or professional achievements, and who can be approved by the institute.

5. 停止指導，有下列情形之一者，指導教授得經所務會議同意後停止論文指導：

Cease Advising, Thesis advisor may cease supervising student if approved by ITM institute affairs committee meeting, in one of the following conditions:

- (1) 研究生不遵照指導教授之指示選課或寫作論文者。

The student fails to follow advisor’s guidance on selecting course or writing thesis.

- (2) 研究生持續相當期間怠於與指導教授連繫而無正當理由者。

The student fails to communicate with the advisors without reasonable grounds.

- (3) 研究生在校內外擔任兼職或專職，未事先徵得指導教授同意者。

The student works full-time or part-time on-campus or off campus without getting approval from advisor.

6. 指導教授變更，有下列情形之一者，經所務會議同意後，研究生得請求變更指導教授：
In the following conditions, the student can request change of advisor after getting approval from both advisor and institute chair.

(1) 指導教授離職、出國、休假、進修或其他事故未能在學生修業年限內完成論文指導者。

Advisor is out of the country, on vacation, on sabbatical, or for any other reason advisor is no longer available to complete supervising student within student's period of study.

(2) 其他因正當理由確需變更指導教授者。

Other reasonable causes.

7. 本所專任教師每年招收博士班人數上限為兩名（不含博士直攻學生或復學生），如已指導4名，則每屆至多只能再收1名。兩位老師(含本所合聘教師)共同指導1名學生，視為0.5名。本所老師與外所或外校老師共同指導1名學生，視為1名。

Each ITM faculty member can supervise a maximum of 2 Ph. D. students each year (not including the Ph. D. students who enroll the Ph. D. program directly from the Master program or Re-entry Ph. D. students). If ITM faculty member has already had 4 students, he/she can supervise one more student each year. In the case that one student is co-supervised by two ITM faculty members (including adjunct member), each of the two ITM faculty member is regarded as supervising 0.5 student. In the case that one student is co-supervised by one ITM faculty members and one from other institute or other university, that ITM faculty is regarded as supervising 1 student.

8. 本所專任教師每年招收博士班外籍生人數上限為四名。

Each ITM faculty member can supervise a maximum of four international Ph. D. students each year.

五、博士資格考試

V. Ph. D. Qualifying Examinations

1. 研究生於註冊修課兩學期後，經由指導教授同意，得向本所申請參加資格考。

Student can apply for the Ph. D. Qualifying Examinations after two semesters, with approval from advisor.

2. 由本所所務會議決定考試科目命題委員及命題方式，每一考試科目命題委員應至少為兩人，命題委員中至少一位為本所教授。

The ITM Institute affairs committee will form an examination affairs committee and decide the way to create questions. Each subject is designed by one examination affairs committee with at least two faculty members and at least one of them must be ITM faculty.

3. 資格考試應於入學(含休學期間)三年內完成為原則，至多不超過五年，超過五年未完成資格考試，則予以退學。於通過資格考試後，取得博士候選人資格。

The Ph. D. students must pass all qualifying examinations within 3 years. The maximum extension to 5 years can be allowed after getting approval from the ITM Institute Affairs committee. Students who are not able to pass all qualifying examinations within 5 years will be disenrolled from school. The student becomes a Ph.D. Candidate after passing all qualifying examinations.

4. 博士班資格考試，每學期舉行一次，第一學期於 10 月中旬舉行考試，第二學期於 3 月中旬舉行，學生應於考試前 2 個月提出申請（分別為 8 月 1 日及 1 月 1 日），並填寫「博士學科考試申請表」，在取得指導教授同意後交至所上。未經本所事先審核同意而未參加考試者，以零分計算。

The Ph. D. qualifying examination is held every semester, in Mid-October for Fall semester and mid-March for Spring semester. The student who intends to take the Ph. D. qualifying examination should apply for the examination two months in advance (application deadlines are August 1 and January 1 for Spring and Fall semester, respectively) by getting approval from thesis advisor and submitting *Application of Ph.D Subject Exam form* to the ITM office.

5. 資格考試包括三個領域：『科技創新管理』、『科技創業管理』與『研究方法』。博士生得以發表或接受之論文申請抵免博士班資格考試，惟論文需以在本所就讀期間完成者。除教師外，該生為該篇論文的第一學生作者。用於抵免資格考試的論文，不包括於畢業所需發表之論文。每篇論文可抵免學科認定標準如下：

The three fields for the Ph.D. qualifying examinations: 1) *Innovation Management*, 2) *Entrepreneurship Management*, 3) *Research Method*.

The Ph. D. qualifying examination(s) can be waived by getting journal paper published if the journal paper is published in the period of the Ph. D. program. Besides the advisor, the student should be the first student author of the journal paper. The journal paper used to substitute the Ph. D. qualifying examination(s) should not be included as part of the Journal papers required for graduation. The Ph. D. qualifying examination(s) can be substituted by a journal paper according to the following rules:

- (1) SCI、SSCI 所屬與本所相關領域之排行前 25%：抵免三科。

SCI、SSCI journals with impact factors ranked as top 25% in the fields related to technology management: three examinations can be waived.

- (2) SCI、SSCI 所屬與本所相關領域之排行前 50%及國科會管理學門推薦之期刊：抵免二科。

SCI and SSCI journals with impact factors ranked as top 50% in the fields related to technology management, or journals recommended by management program of National Science Council: two examinations can be waived

- (3) 其他 SCI、SSCI、EI、ABI、TSSCI、科技管理學刊：抵免一科。

Other SCI, SSCI, EI, ABI, TSSCI journals, and Journal of Technology Management: one examination can be waived.

抵免考試之申請，需經指導教授同意後，提送所務會議審查之。

The use of journal paper to waive qualifying examination(s) should be approved by advisor first and then evaluated by ITM institute affairs committee.

6. 資格考試以筆試行之。資格考試成績以七十分為及格，一百分為滿分。不及格者，均得於次學期或次學年舉行重考，重考以一次為限。

The Ph. D. qualifying examination is a written test. The passing grade and full marks of the examination are 70 and 100, respectively. The student who fails the Ph. D. qualifying examination is allowed to retake only once in the following semester or following year.

六、博士學位考試資格

VI. Qualifications for taking Ph. D. Degree Examination

博士研究生在提報學位論文口試之前，應至少發表（含已接受）一篇論文於 SSCI impact factor > 0.2 或 SCI impact factor > 0.4 期刊論文一篇，並已參加一次國外舉辦之國際學術研討會。

The Ph. D. student shall have at least one SCI or SSCI (SCI impact factor > 0.4 or SSCI impact factor > 0.2) journal paper published (or accepted) and attended one international conference outside Taiwan before applying for the Ph. D. Degree Examination.

※ 國際研討會的定義：在台灣以外之地區舉辦、至少五個以上國家參與，且須在研討會上發表論文。

"attending one international conference" is clarified as "presenting a paper in an international conference held outside Taiwan and conference attendees should come from, at least, five different countries."

※ Impact factor 之認定方法：以該論文(含已接受)當年之 impact factor 為依據，如當年之 impact factor 尚未公告，則以最新之 impact factor 為依據。

The journal Impact factor is based on the year of its publication. Papers published (or accepted) in the current year is evaluated based on the latest available impact factor list.

七、博士學位考試

VII. Ph. D. Degree Examination

1. 博士班研究生完成博士學位應修課程，通過資格考試並符合上列所述修習要求後，始得提出學位論文口試。

Student can apply for the Ph.D. Degree Examination after completion of all required courses, Qualifying examinations and other aforementioned requirements.

2. 博士學位考試日期依照學校行事曆所定之起迄日期。申請學位考試時，須經指導教授同意，填具申請書及各項文件，經所務會議審查符合規定後，擇期辦理有關學位考試事宜。考試方式，以口試行之。所須檢齊各項文件包括：歷年成績表一份、論文摘要一份、依規定應發表之著作(含接受函)。

The application for the Ph. D. Degree Examination requires obtaining approval from thesis advisor first, then submitting required application form(s) and document(s) to ITM institution affairs committee. After the application is approved, the Ph. D. Degree Examination will be scheduled. The Ph. D. Degree Examination is an oral test. The aforementioned required document(s) comprises thesis abstract, publish journal paper (or letter of acceptance).

3. 學位考試委員會

Ph.D. Degree Examination Committee

- (1) 博士學位考試委員五至九人，其中校外委員須三分之一以上，論文指導教授為當

然委員，但不得擔任召集人，召集人由出席委員互推之；委員名單由指導教授推薦，經本所學位考試委員會同意後，由所長報請校長核聘後組成之

Ph.D. Degree Examination Committee consists of 5 to 9 members. At least one-third of them are from other institutions. The student's thesis advisor is on the Committee, but cannot be the Chairman. The Ph.D. Degree Examination Committee Chairman is chosen among the members. To establish the committee, a list of Committee members is provided by thesis advisor, approved in the Ph.D. Degree Examination Committee member evaluation meeting, submitted by the institute Chairman to the University President for appointment.

- (2) 考試委員應具備研究生學位論文相關領域專長，並須合乎下列資格：

Ph.D. Degree Examination Committee Members must have expertise in the area related to the Ph.D. candidate's dissertation. Furthermore, Committee members must possess one of the following qualifications:

- (i) 具教授或副教授或助理教授資格者。

Professor, Associate Professor or Assistant Professor.

- (ii) 擔任中央研究院院士或任中央研究院研究員、副研究員、助理研究員者。

Academician, research fellow, associate research fellow, or assistant research fellow of Academia Sinica.

- (iii) 獲有博士學位，或屬於稀少性、特殊性學科，於學術上或專業上著有成就、並經本所評定合格者。

The person who has a Ph.D. degree or belongs to rare or special research fields, and has outstanding academic or professional achievements, and who can be approved by the institute.

- (3) 考試委員應親自出席委員會，不得委託他人為代表。論文考試應有三分之二以上委員出席，但至少應有委員五人出席；出席委員中須有校外委員三分之一始能舉行。

Committee members of the Ph.D. Degree Examination Committee must attend the examination in person; proxies are not permitted. There must be at least two thirds of the committee members attending in order to schedule the examination. There must be at least 5 members attending with at least one third of the members coming from outside the University.

4. 學位考試成績以七十分為及格，一百分為滿分，如有三分之一以上委員之評分未達七十分時，即以不及格論，其他委員不論評分多寡，不復加以平均。

The passing grade and full marks of the Ph. D. Degree Examination are 70 and 100, respectively. The score should be 70 or higher in average in order to pass the examination. Student fails the exam if one-third of the committee members graded fail.

5. 學位考試成績不及格，且其延長修業年限尚未屆滿者，得於次學期或次學年重考，重考以一次為限；重考成績仍不及格者，應勒令退學。

In case if the student fails the examination, the student may apply for a re-examination in the following semester or academic year, before the end of the stipulated duration of the Ph.D. program. The student can only have one chance for re-examination. If the student fails the second time, he or she will be dismissed from the Ph.D. program.

八、畢業

VIII. Graduation

博士研究生合於下列各項規定者，准予畢業。

The Ph. D. student who meets the following requirements are allowed to graduate:

1. 在規定年限內修滿規定科目與學分。

Finish required courses and credits within the period of study.

2. 通過本所規定之各項考試。

Pass all tests required by the ITM

3. 操行成績各學期均及格。畢業成績，包括歷年修習各項科目之平均成績，資格考試成績及學位考試成績。

Achieve at least passing grades for all conduct grades, courses, the Ph. D. qualifying examinations, and the Ph. D. degree examination.

九、附則

IX. Supplementary Provisions

本修業辦法未規定事項悉依本校校務規程辦理。本修業辦法經所務會議通過後，報請校方備核施行，修正時亦同。

Any clause that has not been stated in this Regulation shall not contravene the University Rules and other relevant regulations of the university. This Regulation is passed and enforced by the ITM. Further amendment shall be applied as well.

※ 英文翻譯若有爭議以中文解釋為準。

In case of discrepancy between the Chinese version of terms & rules and its English translation, the Chinese version shall prevail.