

**國立雲林科技大學
資訊管理系博士班修業要點**

National Yunlin University of Science and Technology

Regulation for Doctoral Degree Program in the Department of Information Management

2024.6.12

第一條

本修業要點依據教育部頒訂之「大學法施行細則」、「學位授予法施行細則」，以及「國立雲林科技大學延聘及更換指導教授實施要點」、「國立雲林科技大學研究生學位考試辦法」、「國立雲林科技大學申請學位考試暨畢業離校作業要點」等訂定之。

I.

This regulation is established following the "Enforcement Rules of the University Act" and "Enforcement Rules of Degree Conferral Law" issued by the Ministry of Education, as well as the "Regulation for Extending Appointment and Changing Thesis Advisors at National Yunlin University of Science and Technology", the "Regulations for Graduate Degree Examinations at National Yunlin University of Science and Technology", and the "Regulation for Applying for Degree Examinations and Graduation Procedures at National Yunlin University of Science and Technology".

第二條

博士班修業期限以二至七年為限。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，因特殊需要得酌予延其修業期限以一年為限。

II.

The duration of the doctoral program is limited to a period of two to seven years. For part-time graduate students. For students who have not completed the required courses or the dissertation within the specified study period, an extension of up to one year may be granted due to special need

第三條

博士班學程分為下列二階段：

第一階段：入學起至通過資格考核為止。

第二階段：通過資格考核起至通過博士論文學位考試為止。

III.

The doctoral program is divided into the following two stages.

Stage 1: From enrollment until passing the qualifying examination.

Stage 2: From passing the qualifying examination until passing the doctoral dissertation defense.

第四條

本系博士班先修基礎課程為「管理資訊系統」。未曾在碩士班修習及格或申請抵免未通過者，應至碩士班補修之。

IV.

The prerequisite course for the department's doctoral program is "Management Information Systems."

Those who have not previously passed this course in their master's program or whose application for course credit transfer has not been approved must take this course in the master's program.

第五條

本系博士班學生最低畢業學分數為 28 學分（不含博士論文）。

V.

The minimum number of credits required for doctoral degree graduation is 28 credits (Not including the dissertation).

第六條

本系博士班學生每學期修讀課程，須經指導教授同意後確定；指導教授未選定前，須經系所主管同意後確定。

VI.

For doctoral students in this department, the selection of courses for each semester must be approved by their thesis advisor. If a thesis advisor is not yet assigned, course selection must be approved by the department head.

第七條

本系博士班學生於規定修業年限內，得於第一學年結束起，申請參加博士學位資格考核，全部成績及格，且修業至少須達第四學期始得提出為博士學位候選人，參加學位考試。

VII.

Students in the doctoral program may apply to take the doctoral qualification examination starting from the end of the first academic year, within the specified study time limit. To be eligible to become a doctoral candidate and participate in the dissertation defense, students must pass all parts of the qualification examination and have progressed to the fourth semester of study.

第八條

博士學位候選人資格考核分資格考試與論文計劃考試兩階段：

- (一) 資格考試：筆試科目各科以一百分為滿分，七十分為及格。
 - (二) 論文計劃考試：研究生就其預定撰寫之博士論文計畫提出口頭報告，由論文指導委員會進行評審，以一百分為滿分，七十分為及格。但有三分之一以上委員評定不及格者以不及格論。
- 資格考試相關規定：
- (一) 以參加筆試為原則，並應於入學後五年內完成(休學期間不計)。
 - (二) 筆試一科成績高於 50 分(含)者得申請以 15 點的論文抵免筆試科目。
 - (三) 資格考試年限最後一年，得申請資格考計畫考試，通過後得申請以 15 點的論文抵免筆試科目。資格考計畫考試委員由指導教授召集系上專任含編制外專任（專案）教師，至少共 3 位擔任。

VIII.

The doctoral candidate qualification assessment is divided into two stages: the written examination and the proposal defense.

- (1) Written Examination: Each subject in the examination has a top score of 100 and a passing score of 70.
- (2) Dissertation Proposal Defense: The proposal will be evaluated by the dissertation committee and will be graded with a top score of 100 and a passing score of 70. However, if more than one-third of the committee members give a failing grade, the result is a fail.

Regulations on the Written Examination:

- (1) The written examination must be completed within five years after enrollment. (excluding any absence periods).
- (2) Students who score greater than or equal to 50 but less than 70 in one subject in the written examination, may apply to substitute that subject with 15 points worth of published papers.
- (3) In the final year of the qualification assessment period, students may apply for a qualification examination program. After enrolling, they may apply to substitute the written exam with 15 points worth of published papers. The qualification examination program committee should be convened by the advisor and consist of at least three full-time or special appointment faculty members from the department.

第九條

本系博士生

1. 修業至少須達四學期。
2. 兩階段資格考核通過。
3. 已修足本系規定之應修科目與學分數(含當學期)。
4. 操行成績及格。

得申請為博士學位候選人。

IX.

Doctoral students in this department must meet the following criteria to apply for doctoral candidate:

1. Have enrolled for at least four semesters.
2. Have passed both stages of the qualification assessment.
3. Have completed all required courses and credits (including the current semester) specified by the department.
4. Have received a passing grade in conduct.

第十條

本系博士班修課規定如課程流程圖。

X.

The course requirements for the doctoral program are outlined in the curriculum flowchart.

第十一條

資訊管理博士班資格考筆試科目：

資訊技術考科群：軟體工程、資料庫系統、資訊網路、演算法。

資訊管理考科群：研究方法、管理計量方法、資訊管理理論與應用。

一、資格考自選三科，每一考科群至少一科。

二、筆試成績不及格者，得申請重考，重考以一次為限。

三、每次考試可選考部份或全部科目。

四、每科考科應列出考試範圍及參考書，至多兩本。

XI.

The subjects of the written qualification examination:

Information technology group: Software Engineering, Database Systems, Computer Networking, and Algorithms.

Information management group: Research Method, Quantitative Methods for Management, and Management Theory and Practice.

1. Choose three subjects for the written qualification examination, with at least one subject in each group.
2. Those who fail the written examination may apply for a re-examination, limited to one time only.
3. Students may take some or all of the subjects each time.
4. For each subject, the examination scope and reference textbooks (no more than two) will be provided.

第十二條

資格考試各科試題由系主任協調相關教師至少二位負責命題及評分，試題以筆試方式為原則。資格考試於每學年第一學期開學前一週舉行。

XII.

At least two teachers are responsible for setting and grading the written examination for each subject under the coordination of the department head. The written examination is held one week before the beginning of the first semester of each academic year.

第十三條

一、資格考點數計算方式如下：

1. 總點數達 15 點者為通過。
2. 通過資格筆試，每科 5 點。

二、改採抵免資格考科目，應於每學期結束前二個月提出，抵免點數計算方式如下：

1. 經本系認定之 MISQ、JMIS、ISR 及 JAIS 四種期刊，一篇 40 點。此項扣抵外之點數，可流用至畢業資格點數。
2. SSCI、SCI 及 SCIE 期刊一篇 15 點。
3. TSSCI、A&HCI 及 Scopus 期刊一篇 10 點。
4. 發表於 PACIS、AOM、HICSS、ECIS 及 ICIS 國際學術會議論文一篇 5 點。
5. 具 EI 等級之國際學術會議英文論文（須以英文撰稿和口頭發表）一篇 5 點，本項目上限為 5 點。

三、申請抵免的論文之主題需與發表的期刊之徵文目標與範圍相符。

四、抵免資格考筆試科目之論文需經本系博班委員會審查通過並經系務會議備查。

五、申請抵免之期刊必須是博士班入學後，且以國立雲林科技大學資訊管理系（所）名義發表。

六、已抵免之期刊或研討會論文，不得再申請博士學位考試之用且點數不得流用（第二項之 1 除外）。

七、申請抵免之期刊或研討會論文，需含本系教師為共同作者，且除本系教師或指導教授外需為順位第一位作者(且不得為並列第一作者)，且通訊作者需為本系教師或指導教授或申請學生本人。

八、碩士論文成果發表不得申請抵免，唯碩士論文延伸內容（30%以上的差異）發表者需經本系博班委員會審核通過，並經系務會議備查後方可抵免。

九、抵免審查產生未規範之疑義，得召開博班委員會議討論後議決。

XIII.

1. The number of points for the written qualification examination is calculated as follows:

- (1) A total of 15 points is required to pass the written qualification examination.
- (2) Passing one subject of the written examination is counted as 5 points.

2. Alternative credit points to the qualification examination should be submitted two months before the end of each semester. The credit points are calculated as follows:
 - (1) For journals recognized by the department (MISQ, JMIS, ISR, and JAIS), each paper is worth 40 points. The remaining points after deduction for the written qualification examinations can be used for graduation qualification points.
 - (2) Each paper published in SSCI, SCI, or SCIE journals is worth 15 points.
 - (3) Each paper published in TSSCI, A&HCI, and Scopus journals is worth 10 points.
 - (4) Each paper published in PACIS, AOM, HICSS, ECIS, and ICIS international academic conferences is worth 5 points.
 - (5) An EI-level international academic conference paper written and presented in English is worth 5 points. The upper limit from this category is 5 points.
3. The topic of the paper applying for the credit points should be consistent with the objective and scope of the journal.
4. The published papers for crediting the written qualification examination should be approved by the committee of the department and reviewed by the departmental affairs meeting.
5. The papers for crediting the written examination must be published after admission to the Ph.D. program and with the affiliation of the Department of Information Management, National Yunlin University of Science and Technology.
6. The paper used for crediting the written examinations cannot be used for crediting the doctoral degree examination except for the remaining points from item II. of item 1.
7. For the paper applying for crediting, a faculty member from the department must be the paper's co-author. The corresponding author must be a faculty member from the department, the advisor, or the applicant student. Other than the faculty from the department or the advisor, the student must be ordered in the first in the authors.
8. No credit can be applied for the publication of the research result of the master thesis unless the research is extended with more than 30%. The doctoral committee shall approve such case of the department and the departmental affairs meeting before the credit can be awarded.
9. If there is doubt about crediting the written examination, the doctoral committee may be convened for discussion and decision.

第十四條

本系博士班學生須於第一學年第二學期結束前提出論文指導教授申請書。

XIV.

Before the end of the second semester of the first academic year, doctoral students in this department must submit the application form for a thesis advisor.

第十五條

本系博士班學生應於資格考試全部選考科目通過後，由指導教授組成論文指導委員會。

XV.

After passing all chosen subjects in the qualification examination, doctoral students in this department should have their thesis advisory committee formed by their advisor.

第十六條

本系博士班學生以自本系具有擔任博士學位論文考試委員資格之專任含編制外專任（專案）教師中，選擇博士論文指導教授為原則。若有特殊原因，經本系博班委員會同意，得選擇非本系之教師為指導教授，但必須選擇一位本系專任含編制外專任（專案）教師為共同指導教授。本系每位指導教授指導已簽名確認指導之學生六人為上限。共同指導時，若兩位指導教授同為本系教授時，以二分之一位計算。採總量管制—每位老師可同時指導至多六人(修業年限超過五年即第六年以上者不計)。

XVI.

In principle, doctoral students in this department should choose their doctoral thesis advisor from among the full-time faculty members (including those on special appointments) of the department who are qualified to serve on doctoral dissertation examination committees. Suppose there are special reasons, with the approval of the department's doctoral committee. In that case, students may choose an advisor from outside the department, but must also select a full-time faculty member (including those on special appointments) from the department as a co-advisor.

Each advisor in the department is limited to supervising a maximum of six students who have signed confirmation of supervision. In cases of co-supervision, if both advisors are from this department, each is counted as supervising half a student.

This is managed under a total volume control system—each faculty member can simultaneously supervise up to six students (students whose study period exceeds five years, i.e., those in their sixth year or beyond, are not counted in this limit).

第十七條

論文指導委員會委員資格同博士班學位考試委員會委員資格之規定。論文指導委員人數五位至九人，其中校外委員需至少三分之一。論文指導委員會之召集人，應由教授擔任。

XVII.

The qualifications for members of the thesis steering committee are the same as those in the doctoral degree examination committee. The dissertation supervisory committee shall consist of five to nine members, of whom at least one-third should be from outside the university. The convener of the committee shall be a full professor.

第十八條

本系博士班學生洽請指導教授及論文指導委員會同意後，應提出具體研究計畫(前三章)，進行研究計劃報告。研究計畫應包括研究動機、研究目的、研究方法、研究大綱及參考文獻，向其論文指導委員會公開說明，並需經全部委員至少三分之二同意。若未通過，需於下一學期始得進行第二次報告。

XVIII.

Doctoral students in this department should propose a specific research plan (first three chapters of the dissertation) and conduct a research report after seeking the approval of their advisor and the dissertation supervisory committee. The research plan should include the motivation, objective, methodology, outline, and references of the research and should be presented to the supervisory committee with the approval of at least two-thirds of the members. If the proposal is not approved, a second report will be required in the next semester.

第十九條

本系博士班學生通過論文研究計劃報告及修畢規定之課程，並於博士班在學期間發表相關之學術期刊論文和完成英語能力鑑定，得依規定之申請程序，申請博士學位考試。

一、發表之學術期刊論文須符合下列條件之一

二、博士生畢業所需之學術論文之部份或全部論文，總點數除了需滿足資格考規則之 15 點外，三年內(含)畢業者需額外滿足 30 點以上，其餘年數畢業者需額外滿足 15 點以上方能畢業，額外點數計算方式如下：

1. 經本系認定之 MISQ、JMIS、ISR 及 JAIS 四種期刊，一篇 40 點。此項扣抵外之點數，可流用至資格考點數。
2. SSCI、SCI 及 SCIE 期刊一篇 15 點。
3. TSSCI、A&HCI 及 Scopus 期刊一篇 10 點。
4. EI 期刊一篇 5 點，本項目上限為 5 點。

滿足點數要求之餘，仍需同時符合以下之規定：

1. 3 年內(含)畢業者，需至少發表 SSCI、SCI 及 SCIE 期刊二篇(不含抵免資格考文章)，或系所認定之 MISQ、JMIS、ISR 及 JAIS 四種期刊一篇。
2. 4~5 年內(含)畢業者，需至少發表 SSCI、SCI 及 SCIE 期刊一篇(不含抵免資格考文章)。

三、申請畢業點數的論文之主題需與發表的期刊之徵文目標與範圍相符。

四、畢業點數認定需經本系博班委員會審查通過並經系務會議備查。

五、所發表的期刊必須是博士班入學後，且以國立雲林科技大學資訊管理系（所）名義發表。

六、期刊論文都須與博士論文有關且需經指導教授認可。

七、發表的期刊需含至少一位指導教授為共同作者，且為除了指導教授以外的順位第一作者(且不得為並列第一作者)，且通訊作者需為指導教授或申請學生本人。

八、碩士論文成果發表不得申請抵免，唯碩士論文延伸內容（30%以上的差異）發表者需經本系博班委員會審核通過才可抵免。

九、畢業點數審查產生未規範之疑義，得召開博班委員會議討論後議決。

十、英文能力鑑定：於畢業前必須通過以下任一項之英文檢定（不含身心障礙學生、國際學生、在國外以英語教學之學校得到學士(含)以上學位學生）。

1. GEPT 全民英語能力分級檢定中級複試通過。
2. CBT 電腦托福 193 分(含)以上（約同舊制托福 523 分）。
3. TOEIC 多益測驗 700 分(含)以上。

得以選修本系研究所以英語授課之選修課程兩門，以及至少參加一次以英文撰稿與口頭發表之 EI 等級國際研討會代之(可以抵免資格考之國際研討會文章代之)。

XIX.

Once doctoral students of this department have completed the required courses, the dissertation proposal, and published papers in academic journals during their doctoral studies may apply for the doctoral degree examination per the prescribed application procedures.

1. Published academic journal papers must meet one of the following conditions.

2. In addition to the 15 points required by the regulation of the written qualification examination, the total number of points for the doctoral degree is 15 points. For those students who want to graduate within three years, it shall be 30 points. The points are calculated as follows.

(1) For journals recognized by this department, each paper published in MISQ, JMIS, ISR, or JAIS journal is worth 40 points. The remaining points after deduction for the written qualification examinations can be used for graduation qualification points.

- (2) Each paper published in SSCI, SCI, or SCIE journals is worth 15 points.
 - (3) Each paper published in TSSCI, A&HCI, and Scopus journals is worth 10 points.
 - (4) Each article in EI journals is worth 5 points, with a maximum limit of 5 points for this category.
- In addition to meeting the points requirements, the following requirements shall also be met:
- (1) Students who graduate within 3 years (inclusive) should publish at least 2 papers in SSCI, SCI and SCIE journals (excluding the papers crediting for the written qualification examination), or 1 paper in MISQ, JMIS, ISR or JAIS journal.
 - (2) Graduates within 4-5 years (inclusive) must publish at least one paper in SSCI, SCI, and SCIE journals (excluding the papers crediting for the written qualification examination).
3. The subject of the paper applying for the credit should be consistent with the objective and scope of the journal.
 4. The papers and points for the examination should be approved by the doctoral committee of the department and reviewed at the department affairs meeting.
 5. The papers applied for the credit must be published during the Ph.D. study and with the affiliation of the Department of Information Management, National Yunlin University of Science and Technology.
 6. The papers must be related to the doctoral study and approved by the advisor.
 7. For a paper applying for credit, at least a department faculty member must be a co-author, and the corresponding author must be the advisor or the applicant student.
 8. No credit can be awarded for the publication of the research result of the master thesis unless the research is extended by more than 30%. Such a case shall be approved by the doctoral committee of the department and the departmental affairs meeting before the credit can be awarded.
 9. If there is any doubt about crediting for the examination, the doctoral committee may be convened for discussion and decision.
 10. English Proficiency Assessment: Each student must pass one of the following English tests prior to graduation(excluding students with disabilities, and international students who obtained a bachelor's degree or above from schools where English is the medium of instruction).
 - (1) Pass the intermediate level second stage of the GEPT (General English Proficiency Test).
 - (2) Score 193 or above on the CBT, Computer-Based TOEFL. (approximately equivalent to 523 on the old TOEFL).
 - (3) TOEIC score of 700 or above.
- Alternatively, students may choose to take two elective courses taught in English from this department's graduate program, and participate in at least one EI-level international conference where they submit a paper and give an oral presentation in English (this can be substituted by an international conference paper that can be used to waive the qualifying exam).

第二十條

博士學位考試委員會置委員五至九人，其中校外委員人數不得少於三分之一。委員名單由指導教授建議並指定委員一人為召集人，經系主任複核後報請校長遴聘組成之，但指導教授不得擔任召集人。博士學位考試委員，應對博士學位候選人之研究領域有專門研究，並具有下列資格之一者：

1. 現任或曾任教授、副教授。
2. 擔任中央研究院院士、現任或曾任中央研究院研究員者、副研究員。

3. 獲有博士學位 5 年以上或助理教授年資 5 年以上職稱者。
 4. 獲有博士學位，在學術上著有成就者。
 5. 研究領域屬於稀少性、特殊性學科或屬專業實務，且在學術或專業上著有成就者。
- 考試委員應親自出席，不得委託他人代表。以上第 4 點、第 5 點資格之認定基準，則需提本系系務會議認定之。

XX.

The doctoral examination committee consists of five to nine members, of which no less than one-third must be external members. The list of committee members is proposed by the adviser, of which one of the members shall be designated as the convener. The supervising professor shall not be the convener. Membership will be reviewed by the department head and submitted to the president for appointment. Doctoral examination committee members should have expertise in the candidate's field of study and meet the following qualifications:

1. Current or former professor or associate professor.
2. Academician of Academia Sinica, current or former research fellow, or associate research fellow of Academia Sinica.
3. Holder of a doctoral degree for more than 5 years or has held the position of assistant professor for more than 5 years.
4. Holder of a doctoral degree with significant academic achievements.
5. In fields that are rare, specialized, or professional in nature, individuals with significant academic or professional achievements.

The committee members should attend the exam in person and should not delegate their responsibilities to others. The criteria for recognizing requirements as stated in (4) and (5) shall be subject to the recognition of the department's affairs meeting.

第二十一條

博士學位考試委員會成員應與論文指導委員會成員相同。因特殊原因更換委員，須向本系提出更改申請。

XXI.

The members of the doctoral examination committee shall be the same as the members of the dissertation supervisory committee. If there is a change of members for special reasons, a request for change must be submitted to the department.

第二十二條

博士學位考試成績以出席委員評定分數平均決定之，但有三分之一以上委員評定不及格者以不及格論，成績不及格而其延長修業年限尚未屆滿者得重考，重考以一次為限。

XXII.

The result of the doctoral degree examination is calculated by the average scores given by the members attending the examination. Those who fail by more than one-third of the members are considered to have failed the examination. Those who fail the examination and whose extended study period has not expired may retake the examination, and the retake is limited to one time.

第二十三條

研究計劃報告與博士學位考試不得在同一學期舉行。

XXIII.

The dissertation proposal and the doctoral examination cannot be held in the same semester.

第二十四條

因故無法畢業之本系博士生如重新入學，過去已完成之要求（不含資格考試）可重新提出審核，審核通過後予以承認，但須符合重新入學後之修業辦法及學校規定；如重新入學後選定(新)指導教授，須至少發表一篇與(新)指導教授共同著作之期刊論文。

XXIV.

If a doctoral student of this department is unable to graduate and re-enrolls, previous completed requirements (not including qualifying examinations) can be resubmitted for review. If approved, these requirements will be recognized, but the student must comply with the academic regulations and university rules at the time of re-enrollment. If the re-enrolled student selects a new advisor, they must publish at least one journal paper co-authored with the (new) advisor.

第二十五條

本系博士班學生投稿期刊，只要是投稿時該期刊被認列為本修業要點認定之期刊即可。為避免投稿學術聲譽有疑慮之期刊，凡發表本校研發處所列「不鼓勵期刊或出版社清單」之論文均不得採計為本系要求期刊論文發表之點數。

XXV.

For doctoral students submitting papers to journals, the journal only needs to be recognized by academic guidelines at the time of submission. To avoid submitting to journals of questionable academic reputation, papers published in journals or by publishers listed in the "Discouraged Journals or Publishers List" by the university's Research and Development Office will not be counted towards the department's required journal publication points.

第二十六條

本系博士班學生通過博士學位考試者，由本校授予資訊管理學博士(Doctor of Philosophy)，主修資訊管理。

XXVI.

Doctoral students who have passed the doctoral examination in the department will be awarded a Doctor of Philosophy degree by our university, with a major in Information Management.

第二十七條

本修業要點爭議或其他未定事宜，得經由博班委員會核定，並經系務會議核備，或依本校研究所博士班之相關規定辦理。本修業要點因法源依據之相關規定之變更而當然變更。

XXVII.

Other unregulated matters may be discussed and determined by the doctoral committee and reviewed by the departmental affairs meeting or be handled in accordance with the relevant regulations of the doctoral program of the university. The regulations are subject to changes in the applicable provisions of the law source. This set of Regulations is instituted following "National Yunlin University of Science and Technology Academic Regulations" and "Master Degree Examination," which must be attended by more than two-thirds of the members of the conference. The Regulations are approved after more than half of the members agree. Revisions must follow the same procedure. Any issue not stated here will be resolved

by complying with Academic Regulations and other relevant rules and regulations set by the National Yunlin University of Science and Technology.

第二十八條

本系博士班因教學研究及發展學術之需要，得設博士班委員會。由系主任及本系專任含編制外專任（專案）教師組成，並由系主任擔任召集人。

XXVIII.

The department's doctoral program may establish a Doctoral Program Committee to meet the needs of teaching, research, and academic development. The committee shall be composed of the department head and full-time faculty members, including those on special appointments, with the chairperson serving as the convenor.

備註(Note)：

英文譯本僅供參考，文義如與中文版有歧異，概以中文版為準。

The English version is provided for reference only. The Chinese version shall prevail in case of any discrepancies between the English and Chinese versions