

**國立雲林科技大學資訊管理研究所
博士班研究生修業要點**

**Regulation of the Ph.D. Program in the Department of Information
Management**

第一條

本修業要點依據教育部頒訂之「大學法及其施行細則」、「學位授予法及其施行細則」，以及「國立雲林科技大學各系（所）辦理研究生延聘指導教授及學位考試等相關作業須知」、「國立雲林科技大學博士班候選人資格考核及學位考試辦法」訂定之。

I.

This regulation is based on the "University Law and its Enforcement Rules" and "Degree Granting Law and its Enforcement Rules" promulgated by the Ministry of Education, as well as the "Guidelines for Graduate Student Appointment of Supervising Professors and Degree Examinations by Departments (Institutes) of National Yunlin University of Science and Technology" and the "Regulations for Qualification Examination and Degree Examination for Doctoral Candidates of National Yunlin University of Science and Technology."

第二條

修業期限以二至七年為限。

II.

The minimum and maximum residencies for completing the degree for students are two and seven academic years, respectively.

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 admission to the program to the time of passing the qualification examination.

Stage 2: From passing the qualification examination to the time of passing the doctoral degree examination.

第四條

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。

IV.

The prerequisite course is "Management Information Systems." Those who have not passed this course in the Master's degree or waived this course should take it in the Master's program at NYUST.

第五條

本所學生最低畢業學分數為三十六學分（含論文寫作）。

V.

The minimum number of credits for graduation is 36 credits (including the dissertation).

第六條

本所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.

The courses that students take each semester must be determined with the consent of the advisor; before the advisor is selected, it must be determined with the approval of the department head.

第七條

於規定修業年限內，得於第一學年結束起，申請參加博士資格考。

VII.

Within the study duration, students may apply to take the doctoral qualification examination after the end of the first academic year.

第八條

博士學位候選人資格考核分資格考試與論文計畫考試兩階段：

- (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) 論文計畫考試：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教師，至少共3位擔任。

VIII.

The qualification examination for doctoral candidates is divided into two stages: Written Examination and Oral Proposal of Dissertation.

- (1) Written Examination: Each subject in the written examination has a score of 100 and a pass mark of 70.
- (2) Oral Proposal of Dissertation: The proposal will be evaluated by the dissertation committee and will be graded with a perfect score of 100 and a passing score of 70. However, if more than one-third of the committee members reject the proposal, the student will be considered to fail the examination.

More regulations on the written qualification examination:

- (1) The written examination must be completed within five years (excluding the dropout period).
- (2) Those who score more than 50 in one subject in the written examination may apply for a 15-point publication to be exempt from the written examination.
- (3) In the last year of the qualification examination, students may apply for the qualification examination program. After passing the examination, they may apply for a 15-point publication to be exempt from the written examination. For the qualification examination program members, at

least three full-time faculty members from the department will be appointed by the advisor.

第九條

- 一、 修業至少須達四學期。
- 二、 兩階段資格考核通過。
- 三、 已修足本系所規定之應修科目與學分數(含當學期)。
- 四、 操行成績及格。

得申請為博士學位候選人。

IX.

- 1. The study must last at least four semesters.
- 2. Students need to pass the two-stage qualification examination.
- 3. Students have completed all required courses and credits (including the current semester) prescribed by the department.
- 4. A passing grade in conduct.

Students who meet the above requirements may apply as a doctoral candidate.

第十條

- 一、 資訊管理所專業必修課程：
 - (一) 資訊管理研究方法 3 學分
 - (二) 資訊科技研究方法 3 學分
 - (三) 資訊管理專題研討(一) 1 學分
 - (四) 資訊管理專題研討(二) 1 學分
 - (五) 書報討論(一)(二) 4 學分
- 二、 資訊管理所課程如課程流程圖。

X.

- 1. Required Courses for the Ph.D. program
 - (1) 3 credits in Research Methods in Information Management
 - (2) 3 credits in Information Technology Research Methods
 - (3) 1 credit in Information Management Seminar (1).

- (4) 1 credit in Information Management Seminar (II).
 - (5) 4 credits in Seminar (I)(II).
2. Courses are list in the course flow chart of the Ph.D. program.

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. At least one subject in each group.
 - 2. Those who fail the written examination may apply for a re-examination, limited to one time.
 - 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：

- (一) 總點數達 15 點者為通過。
- (二) 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：

- (一) 經系所認定之 MISQ、JMIS、ISR 及 I&M 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。
- (二) SSCI、SCI 及 SCIE 期刊一篇 15 點。
- (三) TSSCI 期刊一篇 10 點。
- (四) AHCI 期刊一篇 10 點。
- (五) 具 SCI 或 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) Each paper published in MISQ, JMIS, ISR, or I & M journal is awarded 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 awarded 15 points.
 - (3) Each paper published in TSSCI journals is awarded 10 points.
 - (4) Each paper published in AHCI journals is awarded 10 points.
 - (5) One SCI or EI international conference paper written and presented in English is awarded 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

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, students shall submit the application form for the dissertation advisor.

第十五條

本所學生應於資格考試全部選考科目通過後次一學期期中考前，繳交「論文題目提報單」，並由指導教授組成論文指導委員會。

XV.

Students should submit a dissertation proposal form before the midterm examination of the following semester after passing all elective subjects in the qualification examination. The advisor shall establish a supervisory committee.

第十六條

以自本系具有擔任博士學位論文考試委員資格之專任教師中，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教師為共同指導教授。

XVI.

The dissertation advisor should be chosen from the full-time faculty of the department who are qualified to serve as committee members of the doctoral degree examination. Suppose there are special reasons, with the approval of the doctoral committee of the department. In that case, a non-departmental

faculty may be chosen as the advisor, but a full-time faculty member of the department must be chosen as the co-advisor.

第十七條

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 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

本所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.

Students 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

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，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：

- (一) 經系所認定之 MISQ、JMIS、ISR 及 I&M 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。
- (二) SSCI、SCI 及 SCIE 期刊一篇 15 點。
- (三) TSSCI 期刊一篇 10 點。
- (四) AHCI 期刊一篇 10 點。
- (五) 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：

- (一) 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 I&M 四種期刊一篇。
- (二) 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。

XIX.

Those who 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) Each paper published in MISQ, JMIS, ISR, or I & M journal is awarded 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 awarded 15 points.
- (3) Each paper published in TSSCI journals is awarded 10 points.
- (4) Each paper published in AHCI journals is awarded 10 points.
- (5) One SCI or EI international conference paper written and presented in English is awarded 5 points. The upper limit from this category is 5 points.

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 I & M 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.

第二十條

博士學位考試委員會置委員五至九人，其中校外委員需三分之一以上。

XX.

The doctoral examination committee shall consist of five to nine members, and one-third of the members must be from outside the university.

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

本所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。

XXIV.

Students who pass the doctoral examination will be awarded a Doctor of Philosophy degree in Information Management.

第二十五條

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。

XXV.

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.

第二十六條

本所因教學研究及發展學術之需要，得設博士班委員會。由所長及本系專任教師組成，並由所長擔任召集人。

XXVI.

The department may establish a doctoral committee to meet the needs of teaching, research, and academic development. The committee is composed of the director and the full-time faculty members of the department, with the director as the convener.