**元智大學工業工程與管理學系 碩士班修業規定**

112.07.10工管系111-15系務會議通過

1. 本系碩士班研究生的入學資格及辦法參照該年度本校碩士班（以下簡稱研究生）入學招生簡章。
2. 本系研究生修業年限以一至四年為限。
3. 本系碩士班修讀課程及學分規定如後：
   1. 最低畢業總學分數為32學分，包含2學分必修課(IE586書報討論)、24學分選修課及6學分碩士論文。
   2. 選修課中須於「決策最佳化與全球運籌管理」或「智慧型生產與大數據分析」擇一類作為主修且至少選修4門課(12學分)，另一類為副修至少選修2門課(6學分)，共計6門課(18學分)；其餘6學分可自由選修。
   3. 選修非本系之課程，需先經指導教授及所長同意，且以9學分為上限。
   4. 欲跨學制修課之學生，須填寫「元智大學課程跨學制申請表」，跨學制修課之學分數准予納入畢業學分，至多6學分。
   5. 外籍生(不含僑生及陸生)得免修「IE586書報討論」，但仍需滿足最低畢業學分數之要求。
4. 大學部非工業工程相關學系之畢業生，須選擇以下A方案或B方案進行課程補修(研究所課程可採計為畢業學分)：
   1. 選修大學部「IE335生產計劃與管理（一）」課程及下列研究所課程中的任一科：「IE531高等品質管制」、「IE533機率分析」或「IE538實驗設計」。
   2. 選修大學部「IE350品質管制（含實驗）」課程及下列研究所課程中的任一科：「IE534生產排程」、「IE543生產計劃」或「IE593高等生產管制」。
5. 研究生須依本校學術研究倫理教育課程實施要點規定，於入學第一學期結束前完成學術研究倫理教育課程，最遲須於申請學位口試前補修完成，未完成本課程，不得申請學位口試。
6. 研究生需於研究所第一學期開學後一個月內選定指導教授，並繳交指導教授同意書至系辦公室。論文提案審查委員會由本所二人（含指導教授）專任助理教授級以上教師組成，針對論文提案進行審查口試及專業領域相符性檢核，論文提案與畢業論文口試至少需間隔二個月以上。
7. 畢業論文口試依校方規定期限內完成「研究生學位考試線上申請」，碩士學位考試委員會置委員三至五人；研究生應於學位考試前完成論文原創性比對作業，比對報告標準以不超過20%為原則，並於學位考試當日將「學位論文原創性比對報告書」送交指導教授及學位考試委員參考，進行畢業論文口試及專業領域相符性檢核。

完成學位考試後，研究生需再次將最終定稿的論文進行原創性比對作業，並由指導教授確認後，將「學位論文定稿原創性比對檢核表」、「學位論文原創性比對報告書」及論文送交系辦公室備查。

1. 本修業辦法未盡事宜，悉依本校研究生學位授予作業規章辦理之。
2. 本辦法經系務會議通過後實施，修正時亦同。

**Master's Program Regulations**

**for the Department of Industrial Engineering and Management at Yuan Ze University**

Passed by the 15th the Department of Industrial Engineering and Management Meeting, on July 10, 2023

**Article 1:** The requirements and procedures for admission to the Master's Program of this department shall refer to the Master's Program Admission Brochure of this university for that academic year (hereinafter referred to as "graduate students").

**Article 2:** The duration of study for graduate students of this department is limited to a minimum of one year and a maximum of four years.

**Article 3:** The course and credit requirements for the Master's Program of this department are as follows:

1. The minimum total credits required for graduation are 32 credits, including 2 credits for required courses, 24 credits for elective courses, and 6 credits for the master's thesis.
2. Among the elective courses, students are required to choose one of the two categories, either " Optimization and Global Logistics Management" or "Intelligent Manufacturing and Big Data Analysis," as their primary focus and take at least 4 courses (12 credits) from that category. The other category will be taken as a secondary focus, and students must take at least 2 courses (6 credits) from it, making a total of 6 courses (18 credits). The remaining 6 credits can be chosen freely.
3. Taking courses from other department requires the approval of the thesis advisor and the department chair, with a maximum of 9 credits.
4. Graduate students who wish to take courses across academic programs must fill out the " Application for Cross-System Courses" form. A maximum of 6 credits of such courses may be counted toward graduation credits.
5. Foreign students (excluding overseas Chinese and students from Mainland China) are exempt from taking the course "IE586 Seminar." However, they still need to fulfill the minimum required credits for graduation.

**Article 4:** For students with bachelor’s degrees from non-industrial engineering-related departments, they must choose either Option A or Option B for remedial courses (graduate courses may be counted toward graduation credits):

Option A: undergraduate course “IE335 Production Planning and Control I” and one of the following graduate courses: “IE531 Advanced Quality Control,” “IE533 Probabilistic Analysis,” or “IE538 Experimental Design.”

Option B: undergraduate course “IE350 Quality Control (including experiments)” and one of the following graduate courses: “IE534 Production Scheduling,” “IE543 Production Planning,” or “IE593 Advanced Production Control.”

**Article 5:** All graduate students shall complete Academic Research Ethics Education Course before the end of their first academic semester, according to the Yuan Ze University Academic Research Ethics Education Course Implementation Guideline. Students not passing the Academic Research Ethics Education Course cannot apply for their academic degree exam.

**Article 6:** Graduate students must select a thesis advisor within one month after the start of the first semester of the graduate program and submit an agreement form signed by the advisor to the department office. The thesis proposal review committee consists of two full-time assistant, or higher-ranking, professors of this department (including the thesis advisor). They will conduct an oral examination of the thesis proposal and professional field conformity verification. There should be a minimum gap of two months between the thesis proposal oral examination and the graduate degree examination.

**Article 7:** Graduate students must complete the online application for "Graduate Degree Examination" within the designated timeframe according to the university's regulations. The Master's Degree Examination Committee consists of three to five members. Prior to the degree examination, students are required to complete the originality check for their thesis. The overall similarity score in the similarity report should not exceed 20%. On the day of the degree examination, students are required to submit the "Thesis Originality Check Report" to the advisor and the examination committee for reference. The examination committee will conduct an oral examination of the thesis and ensure its alignment with the professional field.

After completing the degree examination, graduate students need to conduct another originality check on the final version of the thesis. Once confirmed by the advisor, students should submit the "Thesis Final Version Originality Check Form," "Thesis Originality Check Report," and the thesis itself to the department office for record keeping.

**Article 8:** For matters not covered in these regulations, they shall be handled in accordance with the related regulations for conferral of graduate degrees of this university.

**Article 9:** These regulations shall be implemented after being approved by the department council meeting, and any amendments to these regulations shall follow the same procedure.