

# 中華大學 工業管理學系碩士班114學年度二年課程規劃一覽表

114.05.12【113學年度第2學期第1工管系課程規劃委員會會議通過】

114.05.26【113學年度第2學期第2次管理學院課程規劃委員會會議通過】

114.06.11【113學年度第2次校級臨時課程規劃委員會會議通過】

## 院必修科目(共9學分)

一年級			二年級			
上學期		下學期	上學期		下學期	
書報討論	0		論文指導與研究	3	論文指導與研究	3
研究方法	3					
3		0	3		3	

## 選 修 科 目 ( 共 21 學 分 )

科技英文導讀	3	管理資訊系統專題	3	資料庫應用	3	視窗程式設計與應用	3
		商務英文	3				
研發管理專題	3	系統思考與問題解決	3	系統化創新方法	3	創新研發管理	3
人工智慧	3	創新創業實務	3	產品設計與開發	3	人機系統與互動設計	3
最佳化理論與應用	3	顧客關係管理	3	全面品質管理	3	系統動態學	3
軟式計算與應用	3	模擬學	3	企業資源規劃	3	決策行為與習慣領域	3
時間序列	3	實驗設計	3	多變量分析與應用	3	神經網路與模糊邏輯概論	3
知識管理	3	應用統計與資料分析	3	工程經濟與決策分析	3		
半導體生產管理	3	電腦輔助設計與製造	3	高等行銷管理專題	3	品質工程	3
專案管理	3	生產力分析專題	3	人因與設計	3	高等生產與作業管理	3
服務行銷	3	高等專案管理	3	績效評估專題	3	問題分析與決策	3
海峽兩岸創新創業實務	3	科技創業與營運	3	文化創意產業專題	3	高等生管專題	3
科技管理	3	產業發展講座	3	東協國家創新創業實務專題	3		

### 畢業總學分：30學分

1. 重複修習已及格科目，成績將登錄在成績單上，亦列入當學期及畢業平均成績計算，惟畢業學分之採計以1次為限。
2. 研二學生必須選論文指導與研究方可畢業，提前畢業者另訂之。(延畢生每年均須修此課程)
3. 申請畢業論文口試前，須至「台灣學術倫理教育資源中心」網站(<https://ethics.moe.edu.tw/>)進行線上課程，並通過測驗取得證書及繳交碩士學位論文研究計畫書審查表(提供論文前3章紙本進行審查)，計畫書經委員審查核准後，一個月後方能提口試申請。
4. 申請學位考試前須將論文初稿使用本校圖書與資訊處提供之論文比對系統校核後(總相似度必須須<25%)並經指導教授確認。
5. 「論文指導與研究」至多承認6學分。

※以上課程資料，以當學期實際開課為準。

## Chung Hua University Department of Industrial Management Master Program Curriculum for Class 114

Revised at the 1st Industrial Management Curriculum Meeting of academic year 113 2nd semester, on May 12, 2025

Approved at the 1st College of Management Curriculum Meeting of academic year 113 2nd semester, on May 26, 2025

Approved by the 2th University Curriculum Committee on June 11, 2025

### Obligatory (Total 9 credits)

First Year		Second Year	
Fall Semester	Spring Semester	Fall Semester	Spring Semester
Special Topic	0	Thesis Seminar	3
Research Methods	3		3
3	0	3	3

### Elective ( 21 credits and above )

English in technology and Management	3	Special Topics in Management Information System Business English	3 3	Database Application	3	Windows Programming	3
Topic of R&D Management	3	Systems Thinking And Problems Solving	3	Systematic Innovation	3	Innovation and R&D management Human-Machine System and Interaction	3
Artificial Intelligence	3	Innovation and Entrepreneurial Practice	3	Product Design and Development	3	Design	3
Optimum theory & application	3	Customer Relationship Management	3	Total Quality Management	3	Dynamic Systems Analysis	3
Soft Computing and Application	3	Simulation	3	Enterprise Resource planning	3	Decision Behavior and Habitual Domain Introduction to Neural Networks and Fuzzy Logic	3
Time Series	3	Experimental Design	3	Multivariate Analysis and Application	3		3
Knowledge Management	3	Applied Statistics and Data Analysis	3				
Production Management for Wafer Fabrication	3	CAD/CAM	3	Advanced Marketing Management	3	Quality Engineering Advanced Production and Operations Management	3
Project Management	3	Special topics on Productivity Analysis	3	Ergonomics & Design	3	Problem Solving and Decision Making	3
Service Marketing	3	Advanced Project Management	3	Special Topics in Performance Evaluation	3		
Innovation and Entrepreneurial Practice Between Taiwan and Mainland China	3	Incubation and Operation for Tech Enterprise	3	Studies in Cultural and Creative Industry Innovation and Entrepreneurship Practice	3	Advanced Production Management	3
Technology Management	3	Lectures on Industry Development	3	Topics in ASEAN	3	Production Management for Wafer Fabrication	3

#### Graduation Requirement : 30 credits

1.If a course has been passed previously, the grade will be recorded on the transcript and included in the calculation of the semester and graduation average. However, the course credits will only be counted once for graduation.

2.Second-year must choose a thesis seminar and engage in research in order to graduate. (Students on extended study must choose this course every year.)

3.Before applying for the thesis oral presentation, students must complete an online course on the "Taiwan Academic Ethics Education Resource Center" website (<https://ethics.moe.edu.tw/>) and pass the test to obtain a certificate. They must also submit the Master's thesis research proposal evaluation form. The proposal will be reviewed and approved by the committee, and the application for the defense can be made one month later.

4.Before applying for the degree examination, the initial draft of the thesis must be checked using the thesis matching system provided by the school's Library and Information Center (the overall similarity must be <25%) and confirmed by the advisor.

5.A maximum of six credits will be recognized for "Thesis Seminar."

※The above courses, subject to the courses actually opened during the semester.