國立台灣科技大學 114學年 第2學期　課程大綱

Spring 2026 NTUST Course Outline

授課教師：張益賓

Instructor:I-PIN CHANG

課程名稱：工業管理概論

Course Title：Introduction to Industrial Management

2026/11/3

課程代號： IM1101301 Course Code 學分數： 3 Credits	必選修：必修/半學年 Required/Electve:Required/Half Yr. 先修課程： Prerequisites
節次教室： W2(MA-207) W3(MA-207) W4(MA-207) Time/Location	
專業核心能力： Core Professional Competencies	
課程網址： Course Website	
課程宗旨： Course Objectives	1.工業管理領域概述。2.基本生產管理觀念概述。3.工作研究、人因工程概述。4.品質控制概述。5.會計與成本分析。6.人事管理、行銷管理概述。7.生產排程及物流。8.未來發展策略及措施。 The course gives an overview of the field of industrial engineering and management for analysis and management of industrial firms. The aim is to give theoretical insights and practical tools in management and control of industrial firms. Further, the course aims to give students different perspectives on how to understand the phenomena of management and organization. The course consists of lectures built up by functional topics and case analysis that are followed by a discussion of theoretical concepts and practical examples. Topics include: Management Functions. Evolution of Management theory and practice. Organization. Formation of companies. Financial analysis and costing. Engineering Economy. Work Study. Elements of Operations Research. Development and Management of Human Resources. Product Engineering. Plant Location and Layout. Production Planning and Inventory Control. Project Management. Assurance Sciences - Reliability, quality and maintainability.
課程大綱： Outline of Lectures	1.工業管理領域概述。2.基本生產管理觀念概述。3.工作研究、人因工程概述。4.品質控制概述。5.會計與成本分析。6.人事管理、行銷管理概述。7.生產排程及物流。8.未來發展策略及措施。
授課方式： Method of Instruction	講授 Lecture：% 分組討論 Group discussion：% 案例研討 Case study：% 操做練習 Practical exercises：% 講授 Lecture：%
教科書： Textbooks	
參考書目： References	
修課須知： Notice	

評量方式： Grading
備註說明： Notes