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：張孫堂

Instructor:Sun-Tang Chang

課程名稱：高分子導論

Course Title：Introduction to Polymer Systems

2026/11/3

課程代號： TE2118301 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： R6(TR-514) R7(TR-514) T3(TR-514) Time/Location	
專業核心能力： Core Professional Competencies	□執行工程實務所需技術、技巧的能力。 □能發掘、分析、應用研究成果及因應複雜且整合性工程問題的能力。
課程網址： Course Website	
課程宗旨： Course Objectives	The objective of this course is to equip students with the fundamental understanding of polymer science, engineering and application aspects. The course will cover the structural aspects of polymers, polymerization, mechanical properties and selected topics of polymer application and pioneer research topics.
課程大綱： Outline of Lectures	Week 1.Introduction Week 2~3. Polymerization mechanisms Week 4~7. Bonding, forces and polymer structure Week 8 Midterm exam Week 9~11. Analysis of polymer Week 12~13. Polymer Applications Week 14~16. Final report submission or final oral presentation
授課方式： Method of Instruction	講授 Lecture：0% 分組討論 Group discussion：0% 案例研討 Case study：0% 操做練習 Practical exercises：0% 講授 Lecture：%
教科書： Textbooks	
參考書目： References	
修課須知： Notice	Invited Talk by Industry Expert
評量方式： Grading	Attendance 20% Midterm report (or Homework) 15% Midterm exam 30% Final report (or Final presentation) 35%
備註說明： Notes	