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：汪向榮,
許丁友

Instructor:Shiang-Jung Wang,Hsu, Ting-Yu

課程名稱：靜力學

Course Title：Statics

2026/11/3

課程代號： GD2103301 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： Time/Location	T10(IB-305) T8(IB-305) T9(IB-305)
專業核心能力： Core Professional Competencies	培養學生空間位置與力及力矩的表示與分解結合、質點及剛體力平衡之條件等各項核心能力。
課程網址： Course Website	N/A
課程宗旨： Course Objectives	This course aims to give students a preliminary understanding of basic concepts of engineering mechanics, as a basis to deal with more complicated engineering problems in the future.
課程大綱： Outline of Lectures	1. General Principle 2. Force Vectors 3. Equilibrium of a Particle 4. Force System Resultants 5. Equilibrium of a Rigid Body 6. Structural Analysis 7. Internal Forces 8. Center of Gravity and Centroid 9. Moments of Inertia
授課方式： Method of Instruction	講授 Lecture：80% 分組討論 Group discussion：0% 案例研討 Case study：20% 操做練習 Practical exercises：0% 講授 Lecture：%
教科書： Textbooks	Engineering Mechanics, Statics in SI Units, 14 edition, R.C. Hibbeler, Pearson
參考書目： References	N/A
修課須知： Notice	N/A
評量方式： Grading	Homework (20%), Midterm Exam (40%), Final Exam (40%), Solving Problems (+)
備註說明： Notes	N/A