

## 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

2026/5/5

課程代號：GD2103301 Course Code	必選修：必修/半學年 Required/Electve:Required/Half Yr.
學分數：3 Credits	先修課程： Prerequisites
節次教室：T10(IB-305) T8(IB-305) T9(IB-305) Time/Location	
專業核心能力：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。 Core Professional Competencies	
課程網址：N/A Course Website	
課程宗旨：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. Course Objectives	
課程大綱：1. General Principle Outline of Lectures 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：講授 Lecture：80% Method of Instruction 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：Engineering Mechanics, Statics in SI Units, 14 edition, R.C. Hibbeler, Pearson Textbooks	
參考書目：N/A References	
修課須知：N/A Notice	
評量方式：Homework (20%), Midterm Exam (40%), Final Exam (40%), Solving Problems (+) Grading	
備註說明：N/A Notes	