

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

2026/5/7

課程代號： TE1006301 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： 培養運用數學、科學及工程知識的能力與規劃、執行實驗，並具解析數據之能力。 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	