

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：林克強

Instructor:Ker-Chun Lin

課程名稱：結構系統

Course Title : Structural Systems

2026/6/22

|   |   |
|---|---|
| 課程代號： CT4200701<br>Course Code<br>學分數： 3<br>Credits   | 必選修：選修/半學年<br>Required/Elective:Elective/Half Yr.<br>先修課程：<br>Prerequisites |
| 節次教室： T10(IB-512) T9(IB-512) W10(IB-512)<br>Time/Location   |   |
| 專業核心能力：<br>Core Professional Competencies   |   |
| 課程網址：<br>Course Website   |   |
| 課程宗旨： 結構設計之各種考量—載重與力系，建築物之屋頂、樓版、樑柱及牆系統，吊索與拱式結構系統，殼式屋頂結構系統，橋梁結構系統，抗側力結構系統。<br>Course Objectives The topics of this course include:<br>Chapter 1 Introduction<br>Chapter 0 Earthquake damages<br>Chapter 2 Loads<br>Chapter 3 Material characteristics<br>Chapter 4 Interior forces of members and characteristics of fractures<br>Chapter 5 Basic concepts of structural design<br>Chapter 6 Types of basic structural system<br>Chapter 7 Seismic frame systems of building structure<br>Chapter 8 Taiwan New RC Building Structure Systems<br>Chapter 9 Structural systems of high-rise building |   |
| 課程大綱： 結構設計之各種考量—載重與力系，建築物之屋頂、樓版、樑柱及牆系統，吊索與拱式結構系統，殼式屋頂結構系統，橋梁結構系統，抗側力結構系統。<br>Outline of Lectures  |   |
| 授課方式： 講授 Lecture：%<br>Method of Instruction 分組討論 Group discussion：%<br>案例研討 Case study：%<br>操做練習 Practical exercises：%<br>講授 Lecture：%  |   |
| 教科書：<br>Textbooks   |   |
| 參考書目：<br>References   |   |
| 修課須知：<br>Notice   |   |
| 評量方式：<br>Grading  |   |

備註說明：  
Notes