

Structural Theory (I)

Course Information	
Course title	Structural Theory (I)
Semester	114-2
Designated for	Interdisciplinary Bachelor's Program in College of ENGINEERING
Instructor	WEI-HSIU HU
Curriculum Number	CIE3010
Curriculum Identity Number	501E32410
Class	03
Credits	3.0
Full/Half Yr.	Half
Required/ Elective	Required
Time	Tuesday 2(9:10~10:00) Thursday 3,4(10:20~12:10)
Remarks	Restriction: within this department (including students taking minor and dual degree program) AND Restriction: sophomores The upper limit of the number of students: 15.
Course introduction video	
Table of Core Capabilities and Curriculum Planning	Table of Core Capabilities and Curriculum Planning
Course Syllabus	
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Course Description	This course teaches how to analyze basic structures like beams, trusses, and rigid frames. It aims to solve problems related to internal force and displacement at specific points within these structures.
Course Objective	To understand different methods and determine loads and deflections of various types of structures (i.e., analyze structures). 1. Capable of assessing structural stability and determinacy. 2. Can analyze fundamental structures such as determinate beams, trusses, and rigid

	frames. 3. Capable of utilizing various methods to analyze statically indeterminate structures. 4. Able to apply influence line analysis to structures.
Course Requirement	A good understanding of statics is required.
Student Workload (Expected weekly study hours before and/or after class)	
Office Hours	
Designated reading	
References	
Grading	<ol style="list-style-type: none"> 1. NTU has not set an upper limit on the percentage of A+ grades. 2. NTU uses a letter grade system for assessment. The grade percentage ranges and the single-subject grade conversion table in the NATIONAL TAIWAN UNIVERSITY Regulations Governing Academic Grading are for reference only. Instructors may adjust the percentage ranges according to the grade definitions. For more information, see the Assessment for Learning Section.
Progress	
Week	Date
Topic	
No data	