

108 學年度第 二 學期授課科目使用書籍及教學進度表

科 目：材料力學	學分：3 時數：3
班 級：大二選修	時間：星期三 13:20-16:10
授課老師：林峻立 教授	分機：7039
助 教：蔡瑋姮 (醫工所碩士班)	分機：5461
教 室：一教 134	

教科書：	FP Beer, ER Johnston, JT Dewolf, DF Mazurek, Mechanics of Materials, 7 th Ed. McGrawHill, 2015
參考書：	JM Gere, Mechanics of Materials, 5th Ed. Brooks/Cole(2001)
成績評定：	Quiz 80% (5-6 次)；Report 15% (1 次)；出席 5%
講義下載：	http://www.caeb.tw/index.php

週	次	日	期	教學進度
1	03/04	Introduction of Class and Chapter 1 Concept of Stress		
2	03/11	Chapter 1 Concept of Stress		
3	03/18	Chapter 2 Stress and Strain-Axial Loading		
4	03/25	Chapter 2 Stress and Strain-Axial Loading		
5	04/01	Chapter 3 Torsion		
6	04/08	Tensile Experiment Testing (Report 1)		
7	04/15	Chapter 3 Torsion		
8	04/22	Chapter 4 Pure Bending		
9	04/29	Chapter 4 Pure Bending		
10	05/06	Chapter 4 Pure Bending		
11	05/13	Chapter 5 Analysis and Design of Beams for Bending		
12	05/20	Chapter 5 Analysis and Design of Beams for Bending		
13	05/27	Torsion/Bending Experimental Testing (Report 2)		
14	06/03	Chapter 6 Shearing Stresses in Beams and Thin-Walled Members		
15	06/10	Chapter 6 Shearing Stresses in Beams and Thin-Walled Members		
16	06/17	Chapter 7 Transformations of Stress and Strain		
17	06/25	Chapter 7 & 8 Transformations of Stress and Strain (Principal stress)		
18	07/01	Final exam		