

107 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：江錦秀（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	02/20	Introduction of Class and Chapter 1 Concept of Stress
2	02/27	Chapter 1 Concept of Stress
3	03/06	Chapter 2 Stress and Strain-Axial Loading
4	03/13	Chapter 2 Stress and Strain-Axial Loading
5	03/20	Chapter 3 Torsion
6	03/27	Chapter 3 Torsion
7	04/03	Chapter 4 Pure Bending
8	04/10	Torsion Experiment Testing (Report 1)
9	04/17	Chapter 4 Pure Bending
10	04/24	Chapter 4 Pure Bending
11	05/01	Chapter 5 Analysis and Design of Beams for Bending
12	05/08	Chapter 5 Analysis and Design of Beams for Bending
13	05/15	校慶
14	05/22	Chapter 6 Shearing Stresses in Beams and Thin-Walled Members
15	05/29	Chapter 6 Shearing Stresses in Beams and Thin-Walled Members
16	06/05	Chapter 7 Transformations of Stress and Strain
17	06/12	Chapter 7 & 8 Transformations of Stress and Strain (Principal stress)
17	06/19	Final exam