

科目：材料力學(Mechanics of Materials)

科號：PME 235001

學分：3

上課時間：T3、T4、R4 教室：工程一館214教室

教師：葉銘泉

**助教：材料機械性質實驗室研究生(工程一館111室，
Tel:33746)**

Textbook : Mechanics of Materials

by James M. Gere and Barry J. Goodno

7th Edition, 2009

References :

1. Mechanics of Materials by Beer and Johnston
2. Mechanics of Materials by Riley, Sturges and Morris
3. Mechanics of Materials by Craig, Jr.
4. Mechanics of Materials by Hibbeler
5. Mechanics of Materials by Ugural
6. Engineering Mechanics of Solids by Popov

Contents :

1. Tension, Compression, and Shear
2. Axially Loaded Members
3. Torsion
4. Shear Forces and Bending Moments
5. Stresses in Beams (Basic and Advanced Topics)
6. Analysis of Stress and Strain
7. Application of Plane Stress
8. Deflections of Beams

9. Statically Indeterminate Beams

10. Columns

學期成績計分方式：

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|------------------------------|--------|----------|
| 1. 1st Exam. (Topics 1-3) | 30% | (預定4.7) |
| 2. 2nd Exam. (Topics 5-7) | 30% | (預定5.19) |
| 3. Final Exam. (Topics 8-10) | 30% | (預定6.23) |
| 4. Home Works | 10~15% | |
| 5. Quizzes (不定期、不通知) | 5%~10% | |

教科書及計算機必須隨堂攜帶