材料力學

教課書：Mechanics of Materials, 8th edition in SI unit
作者：R.C. Hibbeler, by Pearson, 2011.


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上課時間：星期一第七節（習題解答）
星期四第七、八節

Office hours: 星期一 16:30~18:00 ; (1600~1800 Homework study)
星期四 13:30~15:00

成績：期中考（二次） 40%
三月二十八日課堂第一至五章
五月九日晚間第六、七、八及九章
期末考 25%
六月二十日課程全部，但第十一及十二章為主
平時課堂小考 15%
至少四次

Homework and課堂參與（週一作業時間、課堂筆記）20%

助教：詹君瑜研究生室 6L；63534 轉 229 手機：0934-146406

課程大綱：
1. 應力與應變
2. 軸向負荷
3. 扭轉問題
4. 剪力與彎矩
5. 樑之應力分析
6. 莫爾圓--不同方位之應力計算
7. 樑之變形問題
8. 能量法則應用在材料力學的計算
Mechanics of Materials

Text and references:

Grade:
- Midterm, twice: 40%
- Final: 25%
- Quiz: 15%
- HW and Class Participation: 20%

Outline:
1. Stress and Strain
2. Uni-axial Loading
3. Torsion
4. Shear force and Bending Moment
5. Beam problem
6. Mohr circle
7. Deflection of Beam
8. Energy methods
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