

STRUCTURAL ANALYSIS (I) (結構學 I)

Instructor: Chih-Ping Wu (吳致平)

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Textbooks (教科書):

1. Hibbeler, R. C., Structural Analysis.
2. Hsieh, Yuan-Yu and Mau, S.T., Elementary Theory of Structures.

Course outline (課程大綱)

1. Introduction (簡介)
2. Stability and Determinacy (靜定度和穩定度)
3. Structural Statics (結構靜力學)
4. Elastic Deformations (彈性變形)
5. Influence Lines (影響線)
6. Approximate Analysis of Statically Indeterminate Structures (超靜定結構之近似分析)

Grade:

(a) 1 st Midterm Exam	30%
(b) 2 nd Midterm Exam	30%
(c) 3 rd Midterm Exam	30%
(d) (Assigned Homeworks)	10%