

科目：應用力學(II) -- 動力學

科號：PME 2342

組別：01/02

學分：3

教師：葉銘泉

助教：材料機械性質實驗室研究生(Rm. 111, Tel:3746)

上課時間：T2、F1、F2 教室：工一館107

**Textbook : Vector Mechanics for Engineers -- Dynamics
by Beer and Johnston Jr., 3rd Metric Edition**

References :

1. Engineering Mechanics -- Dynamics by Hibbeler
2. Engineering Mechanics -- Dynamics by Riley and Sturges
3. Engineering Mechanics -- Dynamics by Das, Kassimali and Sami
4. Engineering Mechanics -- Dynamics by Bedford and Fowler
5. Engineering Mechanics -- Dynamics by Pytel and Kiusalaas
6. Dynamics by Meriam

Contents :

1. Kinematics of Particles
2. Kinetics of Particles : Newton's Second Law
3. Kinetics of Particles : Energy and Momentum Method
4. Systems of Particles
5. Kinematics of Rigid Bodies
6. Plane Motion of Rigid Bodies : Forces and Accelerations
7. Plane Motion of Rigid Bodies : Energy and Momentum Method
8. Kinetics of Rigid Bodies in Three Dimensions

學期成績計分方式：

1. 1st Exam. (Chap. 11-13) 30%
2. 2nd Exam. (Chap. 14-16) 30%
3. Final Exam. (Chap. 16-18) 30%
4. Home Works 10~15%
5. Quiz (不定期、不通知) 5%