

Subject : Calculus

Instructor : Cheng-Ying Yang, Ph.D.

Schedule : Friday, 2:10PM to 5:00PM

Textbook :

Laurence D. Hoffmann and Gerald L. Bradley, *Calculus for Business, Economics and the Social and Life Sciences*, Brief 10th ed., McGraw Hill, 2010

Contents :

1. Function, Graphs and Limits
2. Derivatives and Application
3. Exponential Function and Logarithmic Function
4. Integration and Application
5. Further Topics in Integration
6. Multivariable Calculus

Grading :

Midterm (2) 11/4, 12/9	50%
Final 1/13	40%
Assignment and Participation	10%

參考書籍 :

1. 辛靜宜譯，商用微積分，普林斯頓國際，2008
2. 廖秋雄等合著，初等微積分，第三版，滄海書局，2010
3. Minking Eie, Chung-Siung Kao and Yao-Lin Ong, *Applied Calculus*, Ting Lung, 2009
4. Ron Larson, *Calculus: An Applied Approach*, 8th ed., Brooks Cole, 2007
5. Soo T. Tan, *Applied Calculus for the Managerial, Life and Social Sciences*, 8th ed., Brooks Cole, 2008
6. MIT 開放課程 <http://ocw.mit.edu/courses/#mathematics>