

Engineering Mathematics

謝仁偉 助理教授
jenwei@mail.ntust.edu.tw
國立台灣科技大學 資訊工程系
2008 Spring

1

Course Information

- Instructor：謝仁偉
 - jenwei@mail.ntust.edu.tw
- Course Information
 - 課程代碼：CS2001301
 - 上課時間：一 34、二 6
 - 上課教室：T4-302、T4-402
 - 助教：陳柏元 (m9615073@mail.ntust.edu.tw)
 - 課程網頁：
<http://faculty.csie.ntust.edu.tw/~jenwei/courses/2008spring/math/index.htm>

2

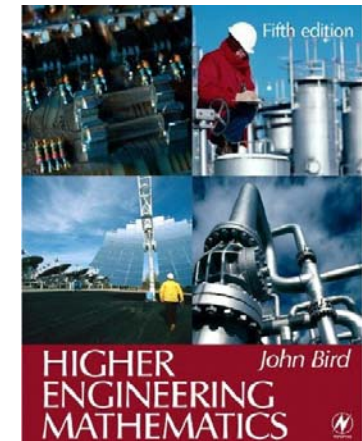
Why Learn This Stuff?

3

Textbook

Higher Engineering Mathematics

- John Bird
- Publisher: Newnes; 5 edition (December 28, 2006)
- ISBN-10: 0750681527
- ISBN-13: 978-0750681520



4

Outline of the Course (1/2)

- Number and Algebra
- Geometry and Trigonometry
- Graphs
- Vector Geometry
- Complex Numbers
- Matrices and Determinants
- Differential Calculus
- Integral Calculus
- Differential Equations

5

Outline of the Course (2/2)

- Statistics and Probability
- Laplace Transforms
- Fourier Series

6

Grading Policy

- Midterm (30%)
- Final (30%)
- Homework Assignments (20%)
- In-Class Exercises (15%)
- Lecturer's Flexibility (5%)

7

Any Question?

8

See You Next Week!