Department: Mathematics and Computer Sciences
Division: Computer Sciences
Level and Major: Undergraduate

Course Title: Engineering Mathematics
Number of Credits: 3
Prerequisite: General Mathematics 2
Lecturer:

Course Description:

Course Goals and Objectives:

Course Topics:

- Complex numbers
- Complex function
- Integral of complex functions
- Fourier series
- Analytical methods to solve the partial differential equations
- Fourier transform to solve the partial differential equations

Reading Resources:

- E. Kreyszig,H. Kreyszig, J. Norminton, Advanced Engineering Mathematics, 10th Edition, JOHN WILEY & SONS, INC, 2011.

Evaluation: