

Engineering Mathematics 1 (033.014)

Fall, 2015

Instructor: Myung-Soo Kim

Office: 302-330

TEL: 880-1838

E-mail: mskim@snu.ac.kr

TAs: Jong-In Kim (jikim@3map.snu.ac.kr)

Office: 302-315-1

TEL: 880-1840

Course URL: <http://3map.snu.ac.kr>

Classroom: 43-1-401

Time: Mon, Wed 11:00–12:15

Grade:

- Midterm: 30%
- Final: 30%
- Homeworks, Quizzes, and Projects: 40%
- Textbook:
Erwin Kreyszig, *Advanced Engineering Mathematics*,
10th Ed., John Wiley & Sons, New York, 2011.

Weeks	Lectures	Exams/Quizzes
9/1–5	First Order ODEs	
9/7–12	Second Order ODEs	Quiz #1
9/14–19	Higher Order ODEs	
9/21–25	Systems of ODEs	Quiz #2
9/30–10/3	Laplace Transforms	
10/5–10	Laplace Transforms	
10/12–17	Midterm Exam	
10/19–24	Fourier Transforms	
10/26–31	Numerics in General	Quiz #3
11/2–7	Numerics for ODEs	
11/9–14	Numerics for PDEs	Quiz #4
11/16–21	Linear Algebra	
11/23–28	Linear Algebra	Quiz #5
11/30–12/5	Eigenvalue Problems	
12/7–12	Eigenvalue Problems	
12/14–19	Final Exam	