

# Engineering Mathematics 1 (010.140)

Fall, 2013

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**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*,  
9th Ed., John Wiley & Sons, New York, 2009.

Weeks	Lectures	Exams/Quizzes
9/2–7	First Order ODEs	
9/9–14	Second Order ODEs	Quiz #1
9/16–21	Second Order ODEs	
9/23–28	Higher Order ODEs	Quiz #2
9/30–10/5	Systems of ODEs	
10/7–12	Laplace Transforms	Quiz #3
10/14–19	Laplace Transforms	
10/21–26	<b>Midterm Exam</b>	
10/28–11/2	Fourier Transforms	
11/4–9	Numerics in General	Quiz #4
11/11–16	Numerics for ODEs Numerics for PDEs	
11/18–23	Linear Algebra	Quiz #5
11/25–30	Linear Algebra	
12/2–7	Eigenvalue Problems	
12/9–14	<b>Final Exam</b>	