

# Engineering Mathematics 1 (010.140)

Fall, 2014

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

**Classroom:** 43-1-301

**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
9/1–6	First Order ODEs	
9/8–13	Second Order ODEs	
9/15–20	Second Order ODEs	Quiz #1
9/22–27	Higher Order ODEs	
9/30–10/5	Systems of ODEs	Quiz #2
10/6–11	Laplace Transforms	
10/13–18	Laplace Transforms	Quiz #3
10/20–25	Fourier Transforms	
10/27–11/1	<b>Midterm Exam</b>	
11/3–8	Numerics in General	
11/10–15	Numerics for ODEs Numerics for PDEs	
11/17–22	Linear Algebra	Quiz #4
11/24–29	Linear Algebra	
12/1–6	Eigenvalue Problems	Quiz #5
12/8–13	Eigenvalue Problems	
12/15–19	<b>Final Exam</b>	