

# Course Overview

## ❑ Instructor : Kim, Sang Ouk

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## ❑ Lecture: 9:30-10:45 (Tue, Thu)

## ❑ Assistant: Jung, Seong Jun

## ❑ Textbook:

- Joel R. Fried, "Polymer Science & Technology", 2nd Ed. Prentice Hall 2003 (Main Text)

- R. J. Young & P. A. Lovell, "Introduction to Polymers", 2nd Ed. Chapman & Hall 1991

## ❑ Grading:

1. Quiz: 20%
2. Attendance: 20%
3. Midterm Examination: 30%
4. Final Examination: 30%

## Course Plan

	Content
1 <sup>st</sup> week	Course Introduction
2 <sup>nd</sup> week	Basic Organic Chemistry
3 <sup>rd</sup> week	Introduction to Polymer Science I
4 <sup>th</sup> week	Introduction to Polymer Science II
5 <sup>th</sup> week	Polymer Synthesis I
6 <sup>th</sup> week	Polymer Synthesis II
7 <sup>th</sup> week	Chain Conformation
8 <sup>th</sup> week	Mid-Term Examination
9 <sup>th</sup> week	Polymer Solution
10 <sup>th</sup> week	Amorphous State
11 <sup>th</sup> week	Crystalline State
12 <sup>th</sup> week	Mechanical Property
13 <sup>th</sup> week	Viscoelasticity
14 <sup>th</sup> week	Rubber Elasticity
15 <sup>th</sup> week	Course Review
16 <sup>th</sup> week	Final Examination