**458.641 고분자합성(Polymer Synthesis)**

화학생물공학부, Spring 2015

**Classroom**: 302-719

**Class hours**: Tuesday, Thursday (9:30 - 10:45 AM)

**Instructor**: Jong-Chan Lee, 이 종 찬 (李 鍾 贊)

Room 302-730, Tel 880-7070, e-mail: jongchan@snu.ac.kr

Office hours: Tuesday , Thursday 3:30 -6:00 pm

**Official language of the class;** English

**Textbook: George Odian, *Principles of Polymerization*, John Wiley & Sons, New York, Fourth Edition (2004).**

**References**: Krzysztof Matyjaszewski and Thomas P. Davis, Editors, *Handbook of Radical Polymerization*, John Wiley and Sons, New York, 2002.

Thierry Meyer and Jos T. F., Editors, Keurentjes, *Handbook of Polymer Reaction Engineering* , Wiley-VCH, Weinheim, 2005.

**Grading**: 2 tests (45% + 45%) + etc (10%: attendance, homework.....)

**Homeworks**: possible assignments

**Tentative schedule**

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| Week of | Contents | Chapter | Others |
| Mar. 2  Mar. 9  Mar. 16  Mar. 23  Mar. 30  Apr. 6  Apr. 13  Apr. 20  Apr. 27  May 4  May 11  May 18  May 25  June 1  June 8 | Introduction  Introduction and Step Polymerization  Step Polymerization  Step Polymerization  Step Polymerization  Step Polymerization  Step Polymerization  Radical Polymerization  Radical Polymerization  Radical Polymerization  Radical Polymerization  Radical Polymerization  Radical Polymerization and Emulsion Polymerization  Emulsion Polymerization  Fianl exam | 1  1 and 2  2  2  2  2  2  3  3  3  3  3  3and 4  4 | Mid  Final |