课程代码（Coursenumber）：

264A.

课程名（Coursename）：

Synthesis of Macromolecules.

学分（credit)：(1)

课程设置（course setting）：Three hours of lecture per week for five weeks.

选课要求（prerequisite）：200 or consent of instructor.

课程描述（Description）：The concepts of chain-growth and step-growth

polymerizations. Radical, ionic, and metal catalyzed polymerizations. Living polymerization. Controlling macromolecular architecture: dendrimers, hyperbranced polymers, and crosslinked networks.

教参信息（Textbookinfo）:

1 Intelligent Macromolecules for Smart Devices: From Materials Synthesis to Device Applications (Engineering Materials and Processes) by Liming Dai (Hardcover - Jan. 9, 2004)

ISBN-13: 978-1852335106

世界各地拥有馆藏的图书馆（OCLC）:90

2 Chemical Synthesis in Molecular Biology: Biological Macromolecules With Natural and Modified Monomer Units (Gbf Monographs, Vol 8) by H. Blocker, R. Frank, and H. J. Fritz (Paperback - Dec. 1987)

ISBN-13: 978-0895736185

3 Macromolecules: Synthesis, Order and Advanced Properties (Advances in Polymer Science) by K. A. Armistead, Y. Chujo, P. Corradini, and M. Fischer (Hardcover - Feb. 1992)

ISBN-13: 978-0387544908

4 Advances in Macromolecules: Perspectives and Applications by Maria Vittoria Russo (Hardcover - Feb. 19, 2010)

ISBN-13: 978-9048131914

世界各地拥有馆藏的图书馆（OCLC）:11

5 6th Annual UNESCO School & IUPAC Conference on Macromolecules & Materials Science (Macromolecular Symposia) by Harald Pasch and Ronald D. Sanderson (Hardcover - July 1, 2005) - Abridged

ISBN-13: 978-3527310470

世界各地拥有馆藏的图书馆（OCLC）:36

6 Click Chemistry for Biotechnology and Materials Science by Joerg Lahann (Hardcover - Dec. 9, 2009)

ISBN-13: 978-0470699706

世界各地拥有馆藏的图书馆（OCLC）:84

7 Synthesis and Photosynthesis (Advances in Polymer Science) by L. Angiolini, C. Carlini, I.R. Dunkin, and M. Kaneko (Hardcover - July 18, 1995)

ISBN-13: 978-3540589082

8 Polymer Synthesis/Polymer Catalysis (Advances in Polymer Science) by B. Ameduri, M. Arndt, B. Boutevin, and T. Endo (Hardcover - Jan. 15, 1997)

ISBN-13: 978-3540612889

9 Polymer Synthesis/Polymer-Po... Complexation (Advances in Polymer Science) by S. Inoue, S. Jacob, M. Jiang, and J.P. Kennedy (Hardcover - May 28, 1999)

ISBN-13: 978-3540653134

10 Macromolecular Design of Polymeric Materials (Plastics Engineering) by Hatada (Hardcover - Jan. 2, 1997)

ISBN-13: 978-0824794651