课程代码（Coursenumber）：

C178.

课程名（Coursename）：

Polymer Science and Technology.

学分（credit) ：(3)

课程设置（course setting）：Three hours of lecture/laboratory per week.

选课要求（prerequisite）：One semester of organic chemistry and physics recommended; Chemical Engineering 150A, equivalent fluid mechanics, or consent of instructor.

课程描述（Description）： Introduction to physical and chemical behavior of organic polymers. Properties of solutions, melts, glasses, elastomers, and crystals. Engineering applications emphasizing processing technology. Experiments in polymerization and characterization. Also listed as Chemical Engineering C178. (F)

教参信息（Textbookinfo）:

1 Polymer Science and Technology (2nd Edition) by Joel R. Fried (Hardcover - July 10, 2003)

ISBN-13: 978-0130181688

世界各地拥有馆藏的图书馆（OCLC）:174

2 Polymer Science and Technology by Robert Oboigbaotor Ebewele (Hardcover - Mar. 23, 2000)

ISBN-13: 978-0849389399

3 Polymer Science and Technology for Engineers and Scientists by R. A. Pethrick (Hardcover - May 3, 2010)

ISBN-13: 978-0470600177

世界各地拥有馆藏的图书馆（OCLC）:3

4 Handbook of Carbohydrate Polymers: Development, Properties and Applications (Polymer Science and Technology) by Ryouichi Ito and Youta Matsuo (Hardcover - Mar. 30, 2010)

ISBN-13: 978-1608763672

世界各地拥有馆藏的图书馆（OCLC）:3

5 Polymer Aging, Stabilizers and Amphiphilic Block Copolymers (Polymer Science and Technology) by Liudvikas Segewicz and Marijus Petrowsky (Hardcover - Jan. 2010)

ISBN-13: 978-1606929285

世界各地拥有馆藏的图书馆（OCLC）:2

6 Polysaccharides: Development, Properties and Applications (Polymer Science and Technology) by Ashutosh Tiwari (Hardcover - Jan. 2010)

ISBN-13: 978-1608765447

世界各地拥有馆藏的图书馆（OCLC）:3

7 Ceramic and Polymer Matrix Composites: Properties, Performance and Applications (Polymer Science and Technology) by Eros Dimitriou and Marco Petralia (Hardcover - Jan. 2010)

ISBN-13: 978-1607418962

世界各地拥有馆藏的图书馆（OCLC）:3

8 Science and Technology of Polymer Nanofibers by A. L. Andrady (Hardcover - Aug. 25, 2008)

ISBN-13: 978-0471790594

世界各地拥有馆藏的图书馆（OCLC）:164

9 Encyclopedia of Polymer Science and Technology, Concise by Herman F. Mark (Hardcover - Jan. 29, 2007)

ISBN-13: 978-0470046104

世界各地拥有馆藏的图书馆（OCLC）:84

10 Polycyclic Aromatic Hydrocarbons: Pollution, Health Effects and Chemistry (Polymer Science and Technology) by Pierre A. Haines and Milton D. Hendrickson (Hardcover - July 2009)

ISBN-13: 978-1607414629

世界各地拥有馆藏的图书馆（OCLC）:8