课程代码（Coursenumber）：
CHEM G 4147x

课程名（Coursename） ：
Advanced Organic Chemistry

课程内容介绍（course content introduction）：The mechanisms of organic reactions, structure of organic molecules, and theories of reactivity. How reactive intermediates are recognized and mechanisms are deduced using kinetics, stereochemistry, isotopes, and physical measurements.

开课老师（teacher）：- J. Leighton, J. Norton

选课条件（Prerequisites）: Elementary organic and physical chemistry.

学分（credit）：4.5 points

教参信息（Textbookinfo）:
1 Advanced Organic Chemistry: Part A: Structure and Mechanisms (Advanced Organic Chemistry / Part A: Structure and Mechanisms) by Francis A. Carey and Richard J. Sundberg (Paperback - June 13, 2007)
Publisher: Springer; 5th edition (June 13, 2007)
ISBN-13: 978-0387683461
世界各地拥有馆藏的图书馆（OCLC）:221
2 Advanced Organic Chemistry: Part B: Reaction and Synthesis (Advanced Organic Chemistry / Part B: Reactions and Synthesis) by Francis A. Carey and Richard J. Sundberg (Paperback - Sept. 6, 2007)
Publisher: Springer; 5th edition (September 6, 2007)
ISBN-13: 978-0387683546
世界各地拥有馆藏的图书馆（OCLC）:221
3 March's Advanced Organic Chemistry: Reactions, Mechanisms, and Structure by Michael B. Smith and Jerry March (Hardcover - Jan. 16, 2007)
Publisher: Wiley-Interscience; 6 edition (January 16, 2007)
ISBN-13: 978-0471720911
世界各地拥有馆藏的图书馆（OCLC）:467
4 Advanced Organic Chemistry: Reactions, Mechanisms, and Structure by Jerry March (Hardcover - July 1, 1992)
Publisher: John Wiley & Sons; 4th edition (July 1, 1992)
ISBN-13: 978-0471601807
5 Advanced Organic Chemistry: Reaction Mechanisms (Advanced Organic Chemistry Series) by Reinhard Bruckner (Hardcover - July 26, 2001)
Publisher: Academic Press; 1st edition (July 26, 2001)
ISBN-13: 978-0121381103
世界各地拥有馆藏的图书馆（OCLC）:332
6 Modern Physical Organic Chemistry by Eric V. Anslyn and Dennis A. Dougherty (Hardcover - July 15, 2005)
Publisher: University Science; illustrated edition edition (July 15, 2005)
ISBN-13: 978-1891389313
世界各地拥有馆藏的图书馆（OCLC）:439
7 Advanced Organic Chemistry (2nd Edition) by Bernard Miller (Paperback - July 21, 2003)
Publisher: Prentice Hall; 2 edition (July 21, 2003)
ISBN-13: 978-0130655882
世界各地拥有馆藏的图书馆（OCLC）:196
8 Advanced Practical Organic Chemistry by J. Leonard, B. Lygo, and G. Procter (Paperback - June 2, 1994)
Publisher: CRC Press; 2 edition (June 2, 1994)
ISBN-13: 978-0748740710
9 Organic Chemistry by Jonathan Clayden, Nick Greeves, Stuart Warren, and Peter Wothers (Paperback - Aug. 31, 2000)
Publisher: Oxford University Press, USA; 1 edition (August 31, 2000)
ISBN-13: 978-0198503460
10 Organic Structure Determination Using 2-D NMR Spectroscopy: A Problem-Based Approach (Advanced Organic Chemistry) by Jeffrey H. Simpson (Paperback - July 24, 2008)
ISBN-13: 978-0120885220
世界各地拥有馆藏的图书馆（OCLC）:312