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