课程名（Coursename）  
Chemistry 206. Advanced Organic Chemistry  
  
课程代码（Coursenumber）  
1063  
  
课程对象（Audience）  
Primarily for Graduates  
  
开课教师（Teacher）  
Matthew D. Shair  
  
学期（Semester）  
Fall term  
  
课程描述（Description））  
A discussion of the important classes of organic reactions will be presented along with an analysis of mechanism. Topics include rearrangements, pericyclic reactions, carbonyl additions, enolate-based transformations, and photochemically induced reactions. An introduction to FMO theory and stereoelectronic effects will be provided.  
  
课时信息（Totalhours）  
M., W., F., at 10.  
  
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)  
ISBN-13: 978-0387683461  
世界各地拥有馆藏的图书馆（OCLC）:228  
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)  
ISBN-13: 978-0387683546  
世界各地拥有馆藏的图书馆（OCLC）:228  
3 March's Advanced Organic Chemistry: Reactions, Mechanisms, and Structure by Michael B. Smith and Jerry March (Hardcover - Jan. 16, 2007)  
ISBN-13: 978-0471720911  
世界各地拥有馆藏的图书馆（OCLC）:474  
4 Advanced Organic Chemistry: Reactions, Mechanisms, and Structure by Jerry March (Hardcover - July 1, 1992)  
ISBN-13: 978-0471601807  
5 Advanced Organic Chemistry: Reaction Mechanisms (Advanced Organic Chemistry Series) by Reinhard Bruckner (Hardcover - July 26, 2001)  
ISBN-13: 978-0121381103  
世界各地拥有馆藏的图书馆（OCLC）:335  
6 Modern Physical Organic Chemistry by Eric V. Anslyn and Dennis A. Dougherty (Hardcover - July 15, 2005)  
ISBN-13: 978-1891389313  
世界各地拥有馆藏的图书馆（OCLC）:442  
7 Advanced Organic Chemistry (2nd Edition) by Bernard Miller (Paperback - July 21, 2003)  
ISBN-13: 978-0130655882  
世界各地拥有馆藏的图书馆（OCLC）:201  
8 Organic Chemistry by Jonathan Clayden, Nick Greeves, Stuart Warren, and Peter Wothers (Paperback - Aug. 31, 2000)  
ISBN-13: 978-0198503460  
9 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）:327  
10 Writing Reaction Mechanisms in Organic Chemistry, Second Edition (Advanced Organic Chemistry Series) by Audrey Miller and Philippa H. Solomon (Paperback - Nov. 18, 1999)  
ISBN-13: 978-0124967120  
11 Strategic Applications of Named Reactions in Organic Synthesis by Laszlo Kurti and Barbara Czako (Paperback - Mar. 18, 2005)  
ISBN-13: 978-0124297852  
世界各地拥有馆藏的图书馆（OCLC）:489