课程代码（Coursenumber）  
CHM 403  
  
课程对象（Audience）  
Primarily for Undergraduates  
  
开课教师（Teacher）  
J. Groves, E. Sorensen  
  
学期（Semester）  
Fall   
  
课程描述（Description））  
A selection of advanced topics in organic chemistry. Topics include reaction mechanisms, synthetic chemistry, chemistry of biologically important molecules. Selected biosynthetic pathways are compared and contrasted to synthetic approaches. Three lectures. Prerequisites: 301 and 302 (or 304); or, 303 and 304  
  
课时信息（Totalhours）  
  
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）:202  
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）:329  
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