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