课程代码（Coursenumber）
CHEM 221

课程对象（Audience）
Primarily for Graduates

开课教师（Teacher）
Du Bois, J.

学期（Semester）
Terms: Aut

课程描述（Description））
Molecular orbital theory and orbital symmetry. Thermochemistry and thermochemical kinetics. Unimolecular reaction rate theory. Methods of determining organic reaction mechanisms from a theoretical and experimental point of view.

课时信息（Totalhours）
Units: 3

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: 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
5 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
6 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
7 Organic Chemistry by Jonathan Clayden, Nick Greeves, Stuart Warren, and Peter Wothers (Paperback - Aug. 31, 2000)
ISBN-13: 978-0198503460
8 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
9 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
10 Transition Metals, Quantitative Kinetics & Applied Organic Chemistry (Nelson Advanced Science) by Brian Chapman (Paperback - June 30, 2004)
ISBN-13: 978-0748776580
世界各地拥有馆藏的图书馆（OCLC）:13