课程代码（Coursenumber）

CHM 301

课程对象（Audience）

Primarily for Undergraduates

开课教师（Teacher）

Staff

学期（Semester）

Not offered this year ST

课程描述（Description））

An introductory course that covers the structures, properties, spectroscopy, and reactivity of organic compounds. Students will learn the mechanisms of organic chemistry and general principles through a combination of lectures and problem solving in small groups. The course may be followed by 302 or 304. This course is appropriate for students in chemistry, biology, and premedical programs. Prerequisite: 201 and 202; or 203 (or 207) and 204; or 215; or a score of 5 on the AP Chemistry Exam. Three lectures, one three-hour laboratory

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

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