课程名（Coursename）  
Chemistry 215 (formerly Chemistry 115). Advanced Organic Chemistry: Synthesis of Complex Molecules  
  
课程代码（Coursenumber）  
0480  
  
课程对象（Audience）  
Primarily for Graduates  
  
开课教师（Teacher）  
Instructor to be determined  
  
学期（Semester）  
Fall term  
  
课程描述（Description））  
An integrated course in complex synthetic problem solving that focuses on the development of principles and strategies for synthesis design with a concurrent, comprehensive review of modern synthetic transformations.  
  
课时信息（Totalhours）  
Hours to be arranged.  
  
教参信息（Textbookinfo）  
1 Prentice Hall Molecular Model Set For Organic Chemistry - Misc. Supplies - Box set (Aug. 29, 1983) by Pearson Education  
ISBN-13: 978-0205081363  
2 Advanced Organic Chemistry: Part B: Reaction and Synthesis (Advanced Organic Chemistry / Part B: Reactions and Synthesis) - Paperback (Sept. 6, 2007) by Francis A. Carey and Richard J. Sundberg  
ISBN-13: 978-0387683546  
世界各地拥有馆藏的图书馆（OCLC）:228  
3 Houben-Weyl Methods in Organic Chemistry: Synthesis of Peptides and Peptidomimetics WORKBENCH EDITION SET 5 Volume Set (Methods of Organic Chemistry) - Paperback (July 14, 2004) by Murray Goodman, Arthur Felix, Luis Moroder, and Claudio Toniolo  
ISBN-13: 978-1588903112  
世界各地拥有馆藏的图书馆（OCLC）:3  
4 Advanced Organic Chemistry: Part A: Structure and Mechanisms (Advanced Organic Chemistry / Part A: Structure and Mechanisms) - Paperback (June 13, 2007) by Francis A. Carey and Richard J. Sundberg  
ISBN-13: 978-0387683461  
世界各地拥有馆藏的图书馆（OCLC）:228  
5 March's Advanced Organic Chemistry: Reactions, Mechanisms, and Structure - Hardcover (Jan. 16, 2007) by Michael B. Smith and Jerry March  
ISBN-13: 978-0471720911  
世界各地拥有馆藏的图书馆（OCLC）:474  
6 Organic Structure Determination Using 2-D NMR Spectroscopy: A Problem-Based Approach (Advanced Organic Chemistry) - Paperback (July 24, 2008) by Jeffrey H. Simpson  
ISBN-13: 978-0120885220  
世界各地拥有馆藏的图书馆（OCLC）:327  
7 March's Advanced Organic Chemistry: Reactions, Mechanisms, and Structure - Hardcover (Jan. 16, 2007) by Michael B. Smith and Jerry March  
ISBN-13: 978-0471720911  
世界各地拥有馆藏的图书馆（OCLC）:474  
8 Organic Structure Determination Using 2-D NMR Spectroscopy: A Problem-Based Approach (Advanced Organic Chemistry) - Paperback (July 24, 2008) by Jeffrey H. Simpson  
ISBN-13: 978-0120885220  
世界各地拥有馆藏的图书馆（OCLC）:327  
9 Advanced Practical Organic Chemistry - Paperback (June 2, 1994) by J. Leonard, B. Lygo, and G. Procter  
ISBN-13: 978-0470129326  
10 Combustion Synthesis of Advanced Materials - Paperback (Apr. 2010) by B. B. Khina  
ISBN-13: 978-1608769773  
世界各地拥有馆藏的图书馆（OCLC）:5  
11 Carbon Nanotubes: Advanced Topics in the Synthesis, Structure, Properties and Applications (Topics in Applied Physics) - Hardcover (Mar. 11, 2008) by Ado Jorio, Gene Dresselhaus, and Mildred S. Dresselhaus  
ISBN-13: 978-3540728641  
世界各地拥有馆藏的图书馆（OCLC）:114