课程代码（Coursenumber）  
CHM 304  
  
课程对象（Audience）  
Primarily for Undergraduates  
  
开课教师（Teacher）  
M. Semmelhack, H. Gingrich  
  
学期（Semester）  
Spring ST  
  
课程描述（Description））  
Continuation of 303 (or 301). The concepts introduced in CHM 303 will be extended to the structures and reactions of more complex molecules, with an emphasis on how organic chemistry provides the framework for understanding molecular processes in biology. The fundamental concepts of organic chemistry will be illustrated, as often as possible, with examples drawn from biological systems. Prerequisite: 301 or 303. Three lectures, one preceptorial, one three-hour laboratory.  
  
课时信息（Totalhours）  
  
教参信息（Textbookinfo）  
1 Organic Chemistry by T. W. Graham Solomons and Craig Fryhle (Hardcover - Feb. 16, 2007)  
ISBN-13: 978-0471684961  
世界各地拥有馆藏的图书馆（OCLC）:172  
2 Organic Chemistry I as a Second Language: Translating the Basic Concepts by David R. Klein (Paperback - June 22, 2007)  
ISBN-13: 978-0470129296  
世界各地拥有馆藏的图书馆（OCLC）:265  
3 Organic Chemistry I For Dummies by Arthur Winter (Paperback - July 8, 2005)  
ISBN-13: 978-0764569029  
世界各地拥有馆藏的图书馆（OCLC）:598  
4 Organic Chemistry by Francis A. Carey (Hardcover - Jan. 9, 2007)  
ISBN-13: 978-0073311845  
世界各地拥有馆藏的图书馆（OCLC）:9  
5 Organic Chemistry by John McMurry (Hardcover - Jan. 16, 2007)  
ISBN-13: 978-0495118374  
世界各地拥有馆藏的图书馆（OCLC）:144  
6 Organic Chemistry (7th Edition) by L. G. Wade (Hardcover - Feb. 1, 2009)  
ISBN-13: 978-0321592316  
世界各地拥有馆藏的图书馆（OCLC）:83  
7 The Nuts and Bolts of Organic Chemistry: A Student's Guide to Success by Joel Karty (Paperback - June 5, 2005)  
ISBN-13: 978-0805331172  
世界各地拥有馆藏的图书馆（OCLC）:225  
8 Study Guide with Solutions Manual for McMurry's Organic Chemistry, 7th by John McMurry (Paperback - Feb. 20, 2007)  
ISBN-13: 978-0495112686  
世界各地拥有馆藏的图书馆（OCLC）:57  
9 Organic Chemistry, Student Study Guide and Solutions Manual by T. W. Graham Solomons and Craig Fryhle (Paperback - Aug. 3, 2007)  
ISBN-13: 978-0470050989  
世界各地拥有馆藏的图书馆（OCLC）:20  
10 Study Guide/Solutions Manual for Organic Chemistry by Janice Smith (Paperback - Jan. 15, 2010)  
ISBN-13: 978-0077296650  
世界各地拥有馆藏的图书馆（OCLC）:7