课程代码（Coursenumber）：  
CHEM BC 3253x  
  
课程名（Coursename） ：  
Quantum Chemistry  
  
课程内容介绍（course content introduction）：Exact and approximate solutions to the Schrï¿½dinger equation. The structure of atoms and molecules. Chemical bonding and spectroscopy. Computer-based molecular modeling.  
  
选课条件（Prerequisites）:Physics and Calculus II or III or permission of instructor.   
  
课程时间（course time）：MWF 11:00-11:50. Problem section: M 12:00-12:50.  
  
学分（credit）：3.5 points  
  
教参信息（Textbookinfo）:  
1 Quantum Chemistry by Donald A. McQuarrie (Hardcover - Aug. 15, 2007)  
Publisher: University Science Books; 2 edition (August 15, 2007)   
ISBN-13: 978-1891389504   
世界各地拥有馆藏的图书馆（OCLC）:290  
2 Modern Quantum Chemistry: Introduction to Advanced Electronic Structure Theory by Attila Szabo and Neil S. Ostlund (Paperback - July 2, 1996)  
Publisher: Dover Publications (July 2, 1996)   
ISBN-13: 978-0486691862   
3 Introduction to Quantum Mechanics with Applications to Chemistry by Linus Pauling and E. Bright Wilson Jr. (Paperback - Mar. 1, 1985)  
Publisher: Dover Publications (March 1, 1985)   
ISBN-13: 978-0486648712   
4 Problems and Solutions for Mcquarrie's Quantum Chemistry by Helen O. Leung and Mark Marshall (Paperback - Oct. 22, 2007)  
Publisher: University Science Books; 2 edition (October 22, 2007)   
ISBN-13: 978-1891389528   
世界各地拥有馆藏的图书馆（OCLC）:23  
5 Quantum Mechanics in Chemistry by George C. Schatz and Mark A. Ratner (Paperback - Jan. 28, 2002)  
Publisher: Dover Publications; 1 edition (January 28, 2002)   
ISBN-13: 978-0486420035   
世界各地拥有馆藏的图书馆（OCLC）:73  
6 Student Solutions Manual for Quantum Chemistry by Ira N. Levine (Paperback - Sept. 18, 2008)  
Publisher: Prentice Hall; 6 edition (September 18, 2008)   
ISBN-13: 978-0136131076   
世界各地拥有馆藏的图书馆（OCLC）:2  
7 Quantum Chemistry, Third Edition by John P. Lowe and Kirk Peterson (Hardcover - June 1, 2005)  
Publisher: Academic Press; 3 edition (June 1, 2005)   
ISBN-13: 978-0124575516   
世界各地拥有馆藏的图书馆（OCLC）:352   
8 Quantum Chemistry & Spectroscopy (2nd Edition) by Thomas Engel (Hardcover - Apr. 27, 2009)  
Publisher: Prentice Hall; 2 edition (April 27, 2009)   
ISBN-13: 978-0321615046   
世界各地拥有馆藏的图书馆（OCLC）:77  
9 Quantum Chemistry: A Unified Approach by David B. Cook (Hardcover - Sept. 26, 2008)  
Publisher: Imperial College Press (September 26, 2008)   
ISBN-13: 978-1848162655   
世界各地拥有馆藏的图书馆（OCLC）:130  
10 Handbook of Computational Quantum Chemistry by David B. Cook (Paperback - Aug. 2, 2005)  
 Publisher: Dover Publications (August 2, 2005)   
ISBN-13: 978-0486443072   
世界各地拥有馆藏的图书馆（OCLC）:40