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