课程代码（Coursenumber）：

CHEM G 4221x

课程名（Coursename） ：

Quantum Chemistry

课程内容介绍（course content introduction）：Basic quantum mechanics: the Schrodinger equation and its interpretation, exact solutions in simple cases, methods or approximation, angular Mementum and electronic spin, and an introduction to atomic and molecular structure.

开课老师（teacher）：- R. Friesner

选课条件（Prerequisites）: Elementary physical chemistry.

学分（credit）：4.5 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