课程代码（Coursenumber）

Chemistry 4500 (450)

课程对象（Audience）

Primarily for Graduates

开课教师（Teacher）

Professor Lin

学期（Semester）

Fall

课程描述（Description）

This course is intended for senior undergraduate students majoring

in chemical biology and graduate students working in related areas. The following topics

will be covered:

1. Structure, reactions, and functions of nucleic acids

2. Structure, reactions, and functions of proteins

3. Structure, reactions, and functions of carbohydrates

4. Structure, reactions, and functions of lipids

5. Chemistry of metabolism

6. Metals in biology

课程提纲（Syllabus）

Exams, assignments, and grades: There are one mid-term exam and one final exam,

each account for 40% of your final grade. There are assignments associated with each

topic. An S/U grade will be given for each assignment. All assignments account for 20% of the final grade.

课时信息（Totalhours）

教参信息（Textbookinfo）

1 Chemistry: Concepts and Problems: A Self-Teaching Guide (Wiley Self-Teaching Guides) by Clifford C. Houk and Richard Post (Paperback - Feb 1996)

ISBN-13: 978-0471121206

2. Chemistry by Steven S. Zumdahl and Susan A. Zumdahl (Hardcover - Dec 3, 2008)

ISBN-13: 978-0547125329

世界各地拥有馆藏的图书馆（OCLC）:55

3.Chemistry for Dummies by John T. Moore (Paperback - Nov 2002)

ISBN-13: 978-0764554308

世界各地拥有馆藏的图书馆（OCLC）:1240

4.Homework Helpers: Chemistry by Greg Curran (Paperback - Mar 2004) ISBN-13: 978-1564147219

世界各地拥有馆藏的图书馆（OCLC）:19

5.Chemistry: The Central Science (11th Edition) by Theodore E. Brown, H. Eugene LeMay, Bruce E. Bursten, and Catherine Murphy (Hardcover - Jan 8, 2008)

ISBN-13: 978-0136006176

世界各地拥有馆藏的图书馆（OCLC）:164

6.The Cartoon Guide to Chemistry (Cartoon Guide To...) by Larry Gonick and Craig Criddle (Paperback - May 3, 2005)

ISBN-13: 978-0060936778

世界各地拥有馆藏的图书馆（OCLC）:1143

7.General Chemistry by Linus Pauling (Paperback - Apr 1, 1988)

ISBN-13: 978-0486656229

8.The Complete Idiot's Guide to Chemistry, 2nd Edition by Ian Guch (Paperback - Jun 27, 2006)

ISBN-13: 978-1592575145

世界各地拥有馆藏的图书馆（OCLC）:526

9.Chemistry: An Introduction to General, Organic, & Biological Chemistry (10th Edition) by Karen Timberlake (Hardcover - Feb 18, 2008)

ISBN-13: 978-0136019701

世界各地拥有馆藏的图书馆（OCLC）:113

10.Chemistry by Steven S. Zumdahl and Susan A. Zumdahl (Hardcover - Jan 9, 2006)

ISBN-13: 978-0618528448

世界各地拥有馆藏的图书馆（OCLC）:65