课程代码（Coursenumber）：
CHEM BC 3580x

课程名（Coursename） ：
Biophysical Chemistry

课程内容介绍（course content introduction）：Literature based course on the fundamental concepts of biophysical chemistry and key experimental techniques used in the investigation of biological macromolecules. Primary emphasis is on nucleic acids and proteins and the forces that govern their structure and behavior. Readings will be taken from textbooks and primary literature.

开课老师（teacher）：Williams

选课条件（Prerequisites）: CHEM BC 3252, Math V 1101 or Math V 1102, BC 1502 highly recommended.

学分（credit）：3 points

教参信息（Textbookinfo）:
1 Biophysical Chemistry by James P. Allen (Hardcover - Sept. 16, 2008)
Publisher: Wiley-Blackwell (September 16, 2008)
ISBN-13: 978-1405124362
世界各地拥有馆藏的图书馆（OCLC）:218
2 Biophysical Chemistry: Part I: The Conformation of Biological Macromolecules (Their Biophysical Chemistry; PT. 1) by Charles R. Cantor and Paul R. Schimmel (Paperback - Mar. 15, 1980)
Publisher: W. H. Freeman; 1 edition (March 15, 1980)
ISBN-13: 978-0716711889
3 Biophysical Chemistry: Part II: Techniques for the Study of Biological Structure and Function (Their Biophysical Chemistry; PT. 2) by Charles R. Cantor and Paul R. Schimmel (Paperback - Apr. 15, 1980)
Publisher: W. H. Freeman; 1 edition (April 15, 1980)
ISBN-13: 978-0716711902
4 Biophysical Chemistry: Part III: The Behavior of Biological Macromolecules (Their Biophysical Chemistry; PT. 3) (Pt.3) by Charles R. Cantor and Paul R. Schimmel (Paperback - June 15, 1980)
Publisher: W. H. Freeman; 1 edition (June 15, 1980)
ISBN-13: 978-0716711926
5 Modern Biophysical Chemistry: Detection and Analysis of Biomolecules by Peter Jomo Walla (Paperback - Apr. 13, 2009)
Publisher: Wiley-VCH; 1 edition (April 13, 2009)
ISBN-13: 978-3527323609
世界各地拥有馆藏的图书馆（OCLC）:140
6 Physical Chemistry for the Biological Sciences (Methods of Biochemical Analysis) by Gordon G. Hammes (Hardcover - Apr. 10, 2007)
Publisher: Wiley-Interscience; 1 edition (April 10, 2007)
ISBN-13: 978-0470122020
世界各地拥有馆藏的图书馆（OCLC）:318
7 Physical Chemistry for the Biosciences by Raymond Chang (Hardcover - Jan. 30, 2005)
Publisher: University Science Books; 1 edition (January 30, 2005)
ISBN-13: 978-1891389337
世界各地拥有馆藏的图书馆（OCLC）:362
8 Biophysical Chemistry by Charles R. Cantor (Hardcover - Oct. 30, 2010)
Publisher: W H Freeman & Co (Sd); 2 edition (October 30, 2010)
ISBN-13: 978-0716738626
世界各地拥有馆藏的图书馆（OCLC）:4
9 Biophysical Chemistry of Biointerfaces by Hiroyuki Ohshima (Hardcover - Aug. 30, 2010)
Publisher: Wiley (August 30, 2010)
ISBN-13: 978-0470169353
世界各地拥有馆藏的图书馆（OCLC）:2
10 Biophysical Chemistry of Membrane Functions by Arnost Kotyk, Karel Janacek, and Jiri Koryta (Paperback - May 1988)
Publisher: John Wiley & Sons; 1 edition (May 1988)
ISBN-13: 978-0471916574