课程代码（Coursenumber）  
CHEM 181  
  
课程对象（Audience）  
Primarily for Graduates  
  
开课教师（Teacher）  
Cegelski, L.; Zare, R.  
  
学期（Semester）  
Terms: Win  
  
课程描述（Description））  
(CHEMENG offerings formerly listed as 188/288.) Chemistry of major families of biomolecules including proteins, nucleic acids, carbohydrates, lipids, and cofactors. Structural and mechanistic analysis of properties of proteins including molecular recognition, catalysis, signal transduction, membrane transport, and harvesting of energy from light. Molecular evolution. Prerequisites: CHEM 135 or 171.  
  
课时信息（Totalhours）  
Units: 3  
  
教参信息（Textbookinfo）  
Biochemistry Author:Berg Edition:6th  
1 Student Companion to Accompany Biochemistry, 6th Ed. by Richard I. Gumport, Frank H. Deis, Nancy Counts Gerber, and Roger E. Koeppe II (Paperback - June 16, 2006)  
ISBN-13: 978-0716770671  
世界各地拥有馆藏的图书馆（OCLC）:27  
2 Biochemistry I (Cliffs Quick Review) by Frank Schmidt (Paperback - Sept. 11, 2000)  
ISBN-13: 978-0764585630  
3 BRS Biochemistry, Molecular Biology, and Genetics (Board Review Series) by Todd A. Swanson, Sandra I Kim, and Marc J Glucksman (Paperback - Dec. 1, 2009)  
ISBN-13: 978-0781798754  
世界各地拥有馆藏的图书馆（OCLC）:87  
4 Underground Clinical Vignettes Step 1: Biochemistry by Todd A. Swanson, Sandra I Kim, and Marc J Glucksman (Paperback - Apr. 1, 2007)  
ISBN-13: 978-0781764728  
世界各地拥有馆藏的图书馆（OCLC）:69  
5 Lipid Biochemistry: An Introduction by Michael I. Gurr, John L. Harwood, and Keith N. Frayn (Paperback - June 17, 2002)  
ISBN-13: 978-0632054091  
世界各地拥有馆藏的图书馆（OCLC）:211  
6 Reviews of Physiology, Biochemistry and Pharmacology 150 by H.-J. Apell, H. Koepsell, B. Schmitt, and V. Gorboulev (Hardcover - Mar. 5, 2004)  
ISBN-13: 978-3540202141  
世界各地拥有馆藏的图书馆（OCLC）:7  
7 Rapid Review Biochemistry: With STUDENT CONSULT Online Access by John W. Pelley PhD and Edward F. Goljan MD (Paperback - Nov. 15, 2006)  
ISBN-13: 978-0323044370  
世界各地拥有馆藏的图书馆（OCLC）:102  
8 Biomethanation II (Advances in Biochemical Engineering Biotechnology) (v. 2) by Birgitte K. Ahring, B.K. Ahring, I. Angelidaki, and J. Dolfing (Hardcover - June 4, 2003)  
ISBN-13: 978-3540443216  
世界各地拥有馆藏的图书馆（OCLC）:62  
9 Plant Peroxisomes: Biochemistry, Cell Biology and Biotechnological Applications by A. Baker and I.A. Graham (Hardcover - Apr. 30, 2002)  
ISBN-13: 978-1402005879  
世界各地拥有馆藏的图书馆（OCLC）:109  
10 Organic Chemistry I Workbook For Dummies by Arthur Winter (Paperback - July 8, 2008)  
ISBN-13: 978-0470251515  
世界各地拥有馆藏的图书馆（OCLC）:52