课程代码（Coursenumber）：  
120B.   
  
课程名（Coursename）：  
Physical Chemistry.   
  
学分（credit) ：(3) Students will receive two units of credit for 120B after taking C130 or Molecular and Cell Biology C100A.  
  
课程设置（course setting）：Three hours of lecture per week.   
  
选课要求（prerequisite）：4B or equivalent; Math 53; Physics 7B or 8B;  
Math 54 (may be taken concurrently).   
  
课程描述（Description）：Statistical mechanics, thermodynamics, and equilibrium. The course will be divided (spring semester) into a section for chemistry majors and one for chemical biology majors, both meeting at the  
same time, covering topics of interest to each group relating to states of matter, solutions and solvation, (bio)chemical kinetics, molecular dynamics, physical characterization, and transport of molecules. (F, S)  
  
教参信息（Textbookinfo）:  
1 Physical Chemistry by Peter Atkins and Julio de Paula (Hardcover - Mar. 10, 2006)  
ISBN-13: 978-0716787594   
世界各地拥有馆藏的图书馆（OCLC）:95  
2 Physical Chemistry: A Molecular Approach by Donald A. McQuarrie and John D. Simon (Hardcover - July 1, 1997)  
ISBN-13: 978-0935702996  
3 Physical Chemistry for the Biosciences by Raymond Chang (Hardcover - Jan. 30, 2005)  
ISBN-13: 978-1891389337  
世界各地拥有馆藏的图书馆（OCLC）:361  
4 Student Solutions Manual to accompany Physical Chemistry by Ira N. Levine (Paperback - July 11, 2008)  
ISBN-13: 978-0072538632  
世界各地拥有馆藏的图书馆（OCLC）:10  
5 Physical Chemistry by Peter Atkins and Julio dePaula (Hardcover - Dec. 18, 2009)  
ISBN-13: 978-1429218122  
世界各地拥有馆藏的图书馆（OCLC）:20  
6 Modern Physical Organic Chemistry by Eric V. Anslyn and Dennis A. Dougherty (Hardcover - July 15, 2005)  
ISBN-13: 978-1891389313  
世界各地拥有馆藏的图书馆（OCLC）:439  
7 Problems & Solutions to Accompany McQuarrie - Simon Physical Chemistry: A Molecular Approach by Heather Cox (Paperback - Oct. 1, 1997)  
ISBN-13: 978-0935702439   
8 Schaum's Outline of Physical Chemistry (2nd Edition) by Clyde R. Metz (Paperback - July 1, 1988)  
ISBN-13: 978-0070417151  
9 Physical Chemistry by Ira N. Levine (Hardcover - May 9, 2008)  
ISBN-13: 978-0072538625  
世界各地拥有馆藏的图书馆（OCLC）:96  
10 Applied Mathematics for Physical Chemistry (3rd Edition) by James R. Barrante (Paperback - Sept. 25, 2003)  
ISBN-13: 978-0131008458  
世界各地拥有馆藏的图书馆（OCLC）:156