课程代码（Coursenumber）  
CHM 306  
  
课程对象（Audience）  
Primarily for Undergraduates  
  
开课教师（Teacher）  
M. Kelly  
  
学期（Semester）  
Spring  
  
课程描述（Description））  
Introduction to chemical thermodynamics, statistical mechanics, and kinetics. Special emphasis on biological problems, including nerve conduction, muscle contraction, ion transport, enzyme mechanisms, and macromolecular properties in solutions. Three lectures. Prerequisites: 201 and 202, or 203 (or 207) and 204, or 215; MAT 104; PHY 101 and 102, or PHY 103 and 104; or instructor’s permission  
  
课时信息（Totalhours）  
  
教参信息（Textbookinfo）  
1 Thermodynamics, Statistical Thermodynamics, & Kinetics (2nd Edition) by Thomas Engel and Philip Reid (Hardcover - Mar. 22, 2009)  
ISBN-13: 978-0321615039  
世界各地拥有馆藏的图书馆（OCLC）:66  
2 Physical Chemistry for the Biological Sciences (Methods of Biochemical Analysis) by Gordon G. Hammes (Hardcover - Apr. 10, 2007)   
ISBN-13: 978-0470122020  
世界各地拥有馆藏的图书馆（OCLC）:322  
3 Oxoacidity: reactions of oxo-compounds in ionic solvents (Comprehensive Chemical Kinetics) by Victor L. Cherginets (Hardcover - June 23, 2005)  
ISBN-13: 978-0444517821  
世界各地拥有馆藏的图书馆（OCLC）:120  
4 Thermodynamics and Kinetics for the Biological Sciences by Gordon G. Hammes (Paperback - June 16, 2000)  
ISBN-13: 978-0471374916  
5 Statistical Thermodynamics: Fundamentals and Applications by Normand M. Laurendeau (Hardcover - Nov. 21, 2005)  
ISBN-13: 978-0521846356  
世界各地拥有馆藏的图书馆（OCLC）:172  
6 Statistical Mechanics by Donald A. McQuarrie (Hardcover - May 2000)  
ISBN-13: 978-1891389153  
7 Thermodynamics, Statistical Thermodynamics, & Kinetics (2nd Edition) by Thomas Engel and Philip Reid (Hardcover - Mar. 22, 2009)  
ISBN-13: 978-0321615039  
世界各地拥有馆藏的图书馆（OCLC）:66  
8 An Introduction to Thermodynamics and Statistical Mechanics by Keith S. Stowe (Hardcover - June 11, 2007)  
ISBN-13: 978-0521865579  
世界各地拥有馆藏的图书馆（OCLC）:170  
9 Equilibrium and Non-Equilibrium Statistical Thermodynamics by Michel Le Bellac, Fabrice Mortessagne, and G. George Batrouni (Hardcover - May 3, 2004)  
ISBN-13: 978-0521821438  
世界各地拥有馆藏的图书馆（OCLC）:223  
10 Thermodynamics and Statistical Mechanics (Classical Theoretical Physics) by Walter Greiner, Ludwig Neise, Horst Stöcker, and D. Rischke (Paperback - May 9, 1995)  
ISBN-13: 978-0387942995  
11 Introduction to Modern Statistical Mechanics by David Chandler (Paperback - Sept. 17, 1987)  
ISBN-13: 978-0195042771