课程代码（Coursenumber）：  
CHEM BC 3254y  
  
课程名（Coursename） ：  
Advanced Physical Chemistry  
  
课程内容介绍（course content introduction）：Topics in physical chemistry selected from the following: thermodynamics of real systems, activities; electrochemistry; transport properties; kinetic theory of gases; elementary statistical thermodynamics; radiochemistry; solids and crystallography.  
  
选课条件（Prerequisites）:CHEM BC3252, BC3253.   
  
课程时间（course time）： Lecture: MWF 11:00-11:50. Problem section: M 12:00-12:50. Not offered Spring 2010.  
  
学分（credit）：3.5 points  
  
教参信息（Textbookinfo）:  
1 Understanding Advanced Physical Inorganic Chemistry: The Learner's Approach by Jeanne Tan and Kim Seng Chan (Hardcover - Oct. 11, 2010)  
Publisher: World Scientific Publishing Company (October 11, 2010)   
ISBN-13: 978-9814317269   
世界各地拥有馆藏的图书馆（OCLC）:1  
2 Conical Intersections: Theory, Computation and Experiment (Advanced Series in Physical Chemistry) by Wolfgang Domcke and David R. Yarkony (Hardcover - Feb. 28, 2011)  
Publisher: World Scientific Publishing Company (February 28, 2011)   
ISBN-13: 978-9814313445   
世界各地拥有馆藏的图书馆（OCLC）:1  
3 Advanced Physical Chemistry: Molecules, Structure, and Spectra by Jeff C. Davis (Paperback - July 1992)  
Publisher: Krieger Pub Co (July 1992)   
ISBN-13: 978-0894647291   
4 Advanced Organic Chemistry: Part A: Structure and Mechanisms (Advanced Organic Chemistry / Part A: Structure and Mechanisms) by Francis A. Carey and Richard J. Sundberg (Paperback - June 13, 2007)  
Publisher: Springer; 5th edition (June 13, 2007)   
ISBN-13: 978-0387683461   
世界各地拥有馆藏的图书馆（OCLC）:221  
5 Modern Trends In Chemical Reaction Dynamics: Experiment And Theory (Advanced Series in Physical Chemistry) (Pt. 2) by Xueming Yang and Kopin Liu (Hardcover - Nov. 28, 2004)  
Publisher: World Scientific Publishing Company; illustrated edition edition (November 28, 2004)  
ISBN-13: 978-9812389237   
世界各地拥有馆藏的图书馆（OCLC）:121  
6 Overview's of Recent Research on Energetic Materials (Advanced Series in Physical Chemistry) by Robert W. Shaw; Thomas B Brill; Donald L Thompson (Hardcover - Aug. 30, 2005)  
Publisher: World Scientific Publishing Company; illustrated edition edition (August 30, 2005)   
ISBN-13: 978-9812561718   
世界各地拥有馆藏的图书馆（OCLC）:97  
7 Physical Chemistry of Solids: Basic Principles of Symmetry and Stability of Crystalline Solids (Advanced Series in Physical Chemistry) by H. Franzen (Hardcover - Dec. 1992)  
Publisher: World Scientific Pub Co Inc (December 1992)   
ISBN-13: 978-9810211530   
8 Physical Chemistry of Solid: Basic Principles of Symmetry and Steability of Crystalline Solids (Advanced Series in Physical Chemistry, Vol 1) by H. Franzen (Paperback - Dec. 1992)  
Publisher: World Scientific Publishing Company (December 1992)   
ISBN-13: 978-9810211547   
9 The Chemical Dynamics and Kinetics of Small Radicals: Part 1 (Advanced Series in Physical Chemistry, Vol 6) by Kopin Liu and Albert Wagner (Paperback - Sept. 1995)  
Publisher: World Scientific Publishing Company (September 1995)   
ISBN-13: 978-9810229832   
10 The Chemical Dynamics and Kinetics of Small Radicals: Part 2 (Advanced Series in Physical Chemistry, Vol 6) by Kopin Liu and Albert Wagner (Paperback - Sept. 1995)  
Publisher: World Scientific Publishing Company (September 1995)   
ISBN-13: 978-9810229849