课程代码（Coursenumber）  
CHM 524  
  
课程对象（Audience）  
Primarily for Graduates  
  
开课教师（Teacher）  
  
学期（Semester）  
  
课程描述（Description））  
Topics covered vary from year to year and are selected from the following: inorganic spectroscopy and applications to chemical bonding in transition metal complexes; homogeneous catalysis based on transition metal systems; noninnocent ligand and fluxional processes; organic synthesis via organometallic reagents and the mechanisms of these reactions; metal clusters; stereochemistry of inorganic reactions; and bioinorganic chemistry.  
  
课时信息（Totalhours）  
  
教参信息（Textbookinfo）  
1 Defects in Solids (Special Topics in Inorganic Chemistry) by R. J. D. Tilley (Hardcover - Oct. 20, 2008)  
ISBN-13: 978-0471202790  
世界各地拥有馆藏的图书馆（OCLC）:3  
2 The Chemistry and Physics of Intermetallic Materials (Special Topics in Inorganic Chemistry) by Gordon J. Miller and R. Bruce King (Hardcover - Dec. 2009)  
ISBN-13: 978-0470077948  
世界各地拥有馆藏的图书馆（OCLC）:120  
3 Inorganic and Organometallic Polymers (Special Topics in Inorganic Chemistry) by Ronald D. Archer (Hardcover - Feb. 26, 2001)  
ISBN-13: 978-0471241874  
世界各地拥有馆藏的图书馆（OCLC）:401  
4 Ligand Field Theory and Its Applications (Special Topics in Inorganic Chemistry) by Brian N. Figgis and Michael A. Hitchman (Hardcover - Dec. 28, 1999)  
ISBN-13: 978-0471317760  
5 Chemical Bonding and Molecular Geometry: From Lewis to Electron Densities (Topics in Inorganic Chemistry) by Ronald J. Gillespie and Paul L. A. Popelier (Paperback - Mar. 8, 2001)  
ISBN-13: 978-0195104967  
世界各地拥有馆藏的图书馆（OCLC）:396  
6 Introduction to Thermal Analysis: Techniques and Applications (Hot Topics in Thermal Analysis and Calorimetry) by Michael E. Brown (Paperback - Dec. 31, 2001)  
ISBN-13: 978-1402004728  
世界各地拥有馆藏的图书馆（OCLC）:150  
7 Asymmetric Organocatalysis (Topics in Current Chemistry) by Benjamin List (Hardcover - Mar. 4, 2010)  
ISBN-13: 978-3642028144  
世界各地拥有馆藏的图书馆（OCLC）:47  
8 Methods of X-ray and Neutron Scattering in Polymer Science (Topics in Polymer Science) by R. J. Roe (Hardcover - Jan. 6, 2000)  
ISBN-13: 978-0195113211  
9 Organofluorine Chemistry: Principles and Commercial Applications (Topics in Applied Chemistry) by R.E. Banks, B.E. Smart, and J.C. Tatlow (Hardcover - Sept. 30, 1994)  
ISBN-13: 978-0306446108  
10 New Aspects in Phosphorus Chemistry III (Topics in Current Chemistry) (Pt. 3) by Jean-Pierre Majoral (Hardcover - Sept. 15, 2003)  
ISBN-13: 978-3540007142  
世界各地拥有馆藏的图书馆（OCLC）:161  
11 Immobilisation of DNA on Chips II (Topics in Current Chemistry) (v. 2) by Christine Wittmann (Hardcover - Mar. 16, 2006)  
ISBN-13: 978-3540284369  
世界各地拥有馆藏的图书馆（OCLC）:173  
12 Hypervalent Iodine Chemistry (Topics in Current Chemistry) by Thomas Wirth, Y. Kita, G.F. Koser, and M. Ochiai (Hardcover - Feb. 12, 2003)  
ISBN-13: 978-3540441076  
世界各地拥有馆藏的图书馆（OCLC）:156