课程代码（Coursenumber）  
CHM 507  
  
课程对象（Audience）  
Primarily for Graduates  
  
开课教师（Teacher）  
  
学期（Semester）  
  
课程描述（Description））  
Crystal types and binding energies; crystal structure and symmetry; reciprocal lattice, Brillouin zones, energy bands, and Fermi surfaces; impurity states; energy transport in ionic, molecular, and semiconducting crystals; magnetism and spin waves; and chemistry and photochemistry in the solid state.  
  
课时信息（Totalhours）  
  
教参信息（Textbookinfo）  
1 Solid State Chemistry: An Introduction, Third Edition by Lesley E. Smart and Elaine A. Moore (Paperback - June 24, 2005)  
ISBN-13: 978-0748775163  
世界各地拥有馆藏的图书馆（OCLC）:513  
2 Basic Solid State Chemistry by Anthony R. West (Paperback - Aug. 10, 1999)  
ISBN-13: 978-0471987567  
3 New Directions in Solid State Chemistry by C. N. R. Rao and J. Gopalakrishnan (Paperback - Aug. 21, 2008)  
ISBN-13: 978-0521499071  
世界各地拥有馆藏的图书馆（OCLC）:225  
4 Descriptive Inorganic, Coordination, and Solid State Chemistry by Glen E. Rodgers (Hardcover - Jan. 7, 2002)  
ISBN-13: 978-0125920605  
世界各地拥有馆藏的图书馆（OCLC）:79  
5 Solid State Chemistry: Synthesis, Structure, and Properties of Selected Oxides and Sulfides by Aaron Wold and Kirby Dwight (Paperback - Apr. 30, 1993)  
ISBN-13: 978-0412036217  
6 The Physics and Chemistry of Solids by Stephen Elliott and S. R. Elliott (Paperback - Sept. 9, 1998)  
ISBN-13: 978-0471981954  
7 High Temperature Superconductors: Relationships Between Properties, Structure, and Solid-State Chemistry : Symposium Held April 25-28, 1989, San Dieg (Materials Research Society Symposium Proceedings) by James D. Jorgensen and Koichi Kitazawa (Hardcover - Nov. 1989)  
ISBN-13: 978-1558990296  
8 Solid State Chemistry: Selected Papers of C. N. R. Rao (World Scientific Series in 20th Century Chemistry, Vol 4) by C. N. R. Rao, S. K. Joshi, and R. A. Mashelkar (Hardcover - May 1995)  
ISBN-13: 978-9810218089  
9 Computational Chemistry of Solid State Materials: A Guide for Materials Scientists, Chemists, Physicists and others by Richard Dronskowski and Roald Hoffmann (Hardcover - Mar. 10, 2006)  
ISBN-13: 978-3527314102  
世界各地拥有馆藏的图书馆（OCLC）:213  
10 Solid State Chemistry (Structure and Bonding) by Michael J. Clarke (Hardcover - Aug. 1987)  
ISBN-13: 978-0387175812