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