课程代码（Coursenumber）  
CHM 407  
  
课程对象（Audience）  
Primarily for Undergraduates  
  
开课教师（Teacher）  
S. VanderKam  
  
学期（Semester）  
Fall  
  
课程描述（Description））  
Structural principles and bonding theories are discussed for the various classes of inorganic and organometallic compounds. Includes an introduction to the electronic structure of transition elements and ligand field theory. Prerequisites: 201 and 202, or 207 and 202, or 215, or advanced placement. Three lectures  
  
课时信息（Totalhours）  
  
教参信息（Textbookinfo）  
1 Principles and Applications of Density Functional Theory in Inorganic Chemistry I (Structure and Bonding) (Pt. 1) by Nik Kaltsoyanis and John E. McGrady (Hardcover - Nov. 10, 2004)  
ISBN-13: 978-3540218609  
世界各地拥有馆藏的图书馆（OCLC）:125  
2 Recent Impact of Physics on Inorganic Chemistry (Structure and Bonding, Vol 21) by B. C. Tofield and B. Fricke (Hardcover - Aug. 1975)  
ISBN-13: 978-0387071091  
3 Inorganic Chemistry (Structure and Bonding) by Clarke (Hardcover - July 1981)  
ISBN-13: 978-0387106557  
4 Inorganic Chemistry. (Structure and Bonding) (Paperback - Mar. 2, 1972)  
ISBN-13: 978-3540057000  
5 Inorganic Chemistry. (Structure and Bonding) (English and German Edition) (Paperback - June 25, 1973)  
ISBN-13: 978-3540061625  
6 Recent Impact of Physics on Inorganic Chemistry (Structure and Bonding) (Hardcover - Aug. 19, 1975)  
ISBN-13: 978-3540071099  
7 Inorganic Chemistry (Structure and Bonding) (Hardcover - Sept. 30, 1981)  
ISBN-13: 978-3540106555  
8 Principles and Applications of Density Functional Theory in Inorganic Chemistry II (Structure and Bonding) (v. 2) by N. Kaltsoyannis and J.E. McGrady (Hardcover - Nov. 10, 2004)  
ISBN-13: 978-3540218616  
世界各地拥有馆藏的图书馆（OCLC）:125  
9 Crystal Structure and Chemical Bonding in Inorganic Chemistry by C.J.M. Rooymans and A. Rabenau (Hardcover - Oct. 1975)  
ISBN-13: 978-0720403404  
10 Structure and Bonding in Crystalline Materials by Gregory S. Rohrer (Paperback - Aug. 2001)  
ISBN-13: 978-0521663793  
世界各地拥有馆藏的图书馆（OCLC）:210  
11 Organometallic and Coordination Chemistry of the Actinides (Structure and Bonding) by Thomas E. Albrecht-Schmitt (Hardcover - Sept. 10, 2008)  
ISBN-13: 978-3540778363  
世界各地拥有馆藏的图书馆（OCLC）:110  
12 Molecular Catalysis of Rare Earth Elements (Structure and Bonding) by Peter Roesky (Hardcover - Aug. 29, 2010)  
ISBN-13: 978-3642128103  
世界各地拥有馆藏的图书馆（OCLC）:18