课程代码（Coursenumber）  
CHEM 31A  
  
课程对象（Audience）  
Primarily for Graduates  
  
开课教师（Teacher）  
Chidsey, C.; Dai, H.; Schwartz, J.  
  
学期（Semester）  
Terms: Aut, Sum  
  
课程描述（Description））  
For students with moderate or no background in chemistry. Stoichiometry; periodicity; electronic structure and bonding; gases; enthalpy; phase behavior. Emphasis is on skills to address structural and quantitative chemical questions; lab provides practice. Recitation.  
  
课时信息（Totalhours）  
Units: 4  
  
教参信息（Textbookinfo）  
1 Liquid Membranes: Principles and Applications in Chemical Separations and Wastewater Treatment by Vladimir S Kislik I (Hardcover - Oct. 16, 2009)  
ISBN-13: 978-0444532183  
世界各地拥有馆藏的图书馆（OCLC）:64  
2 Polymer Processing: Principles and Design by Donald G. Baird and Dimitris I. Collias (Hardcover - Apr. 8, 1998)  
ISBN-13: 978-0471254539  
3 Basic Chemical Principles : Introduction to Chemical Principles, Study Guide to Accompany Introduction to Chemical Principles by Edward I. Peters (Paperback - Jan. 1994)  
ISBN-13: 978-0030179174  
4 Basic Chemical Principles (Saunders Golden Sunburst Series) by Edward I. Peters and Robert C. Kowerski (Hardcover - Jan. 1994)  
ISBN-13: 978-0030968112   
5 Principles of Adsorption and Reaction on Solid Surfaces by Richard I. Masel (Hardcover - Mar. 8, 1996)  
ISBN-13: 978-0471303923  
6 Principles of Cardiac Toxicology (Telford Press) by Steven I. Baskin (Hardcover - Sept. 23, 1991)  
ISBN-13: 978-0849388095  
7 Introduction to Chemical Principles (Saunders Golden Sunburst Series) by Edward I. Peters (Hardcover - Jan. 1990)  
8 Principles of Chemical Kinetics, Second Edition by J. E. House (Hardcover - Sept. 13, 2007)  
ISBN-13: 978-0123567871  
世界各地拥有馆藏的图书馆（OCLC）:158  
9 Computational Chemistry and Molecular Modeling: Principles and Applications by K. I. Ramachandran, Gopakumar Deepa, and Krishnan Namboori (Hardcover - July 24, 2008)  
ISBN-13: 978-3540773023   
世界各地拥有馆藏的图书馆（OCLC）:97  
10 Handbook of Environmental Health and Safety Principles and Practices, Second Edition, Volume I (Hdbk of Environmental Health 4e) by Herman Koren (Hardcover - June 21, 1991)  
ISBN-13: 978-0873712729