课程代码（Coursenumber）：  
223A.   
  
课程名（Coursename）：  
Chemical Kinetics.   
  
学分（credit) ：(3)   
  
课程设置（course setting）：Three hours of lecture per week.  
  
选课要求（prerequisite）：220A (may be taken concurrently).   
  
课程描述（Description）： Deduction of mechanisms of complex reactions. Collision and transition state theory. Potential energy surfaces. Unimolecular reaction rate theory. Molecular beam scattering studies. (S)  
  
教参信息（Textbookinfo）:  
1 Chemical Kinetics and Reaction Dynamics by Paul L. Houston (Paperback - Nov. 17, 2006)  
ISBN-13: 978-0486453347   
世界各地拥有馆藏的图书馆（OCLC）:51  
2 Chemical Kinetics and Dynamics (2nd Edition) by Jeffrey I. Steinfeld, Joseph S. Francisco, and William L. Hase (Paperback - Aug. 20, 1998)  
ISBN-13: 978-0137371235  
3 Chemical Kinetics by Bassam Z. Shakhashiri and Rodney Schreiner (Paperback - Dec. 29, 2004)  
ISBN-13: 978-1588743619  
世界各地拥有馆藏的图书馆（OCLC）:8  
4 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）:157  
5 Chemical Kinetics (3rd Edition) by Keith James Laidler (Paperback - Jan. 7, 1987)  
ISBN-13: 978-0060438623   
6 Reaction Kinetics (Oxford Science Publications) by Michael J. Pilling and Paul W. Seakins (Paperback - Jan. 18, 1996)  
ISBN-13: 978-0198555278  
7 Chemical Kinetics & Catalysis by Richard I. Masel (Hardcover - Mar. 15, 2001)  
ISBN-13: 978-0471241973  
世界各地拥有馆藏的图书馆（OCLC）:328  
8 Introduction to Chemical Kinetics by Margaret Robson Wright (Paperback - June 25, 2004)  
ISBN-13: 978-0470090596  
世界各地拥有馆藏的图书馆（OCLC）:262  
9 Chemical Kinetics and Reaction Mechanisms by James Espenson and James Espenson (Paperback - Dec. 10, 2002)  
ISBN-13: 978-0072883626  
世界各地拥有馆藏的图书馆（OCLC）:27  
10 Chemical Kinetics: The Study of Reaction Rates in Solution by Kenneth A. Connors (Paperback - Aug. 29, 1990)  
ISBN-13: 978-0471720201