课程代码（Coursenumber）：  
271B.   
  
课程名（Coursename）：  
Chemical Biology II: Enzyme Reaction  
Mechanisms.   
  
学分（credit)：(1)   
  
课程设置（course setting）：Three hours of lecture per week for five weeks.   
  
选课要求（prerequisite）：271A or consent of instructor.   
  
课程描述（Description）：The course will focus on the principles of enzyme catalysis. The course will begin with an introduction to the general concepts of enzyme catalysis, which will be followed by detailed examples that will examine the chemistry behind the reactions and the three-dimensional structures that carry out the transformations. (S)  
  
教参信息（Textbookinfo）:  
1 Advanced Materials and Optical Systems for Chemical and Biological Detection: 21-22 September 1999 Boston, Massachusetts (Proceedings of Spie Volume 3858) by Mahmoud Fallahi, Basil I. Swanson, Society of Photo-Optical Instrumentation Engineers, and Los Alamos National Laboratory (Paperback - Dec. 1999)  
ISBN-13: 978-0819434517  
2 Free Radicals in Biology and Medicine: From Inflammation to Biotechnology (Stand Alone) by O.I. Aruoma, M. Grootveld, and T. Bahorun (Paperback - Oct. 1, 2006)  
ISBN-13: 978-1586036836   
世界各地拥有馆藏的图书馆（OCLC）:5  
3 DNA Structures, Part B, Chemical and Electrophoretic Analysis of DNA, Volume 212: Volume 212: Dna Sturctures Part B (Methods in Enzymology) by John N. Abelson, Melvin I. Simon, David M.J. Lilley, and James E. Dahlberg (Hardcover - Aug. 18, 1992)  
ISBN-13: 978-0121821135   
4 Chemical Senses: Volume 4, Apetite and Nutrition (Chemical Senses, Vol 4) (v. 4) by Mark I. Friedman, Michael G. Tordoff, and Morley R. Kare (Hardcover - May 29, 1987)  
ISBN-13: 978-0824783716  
5 Experimental Cell Biology of Taste and Olfaction: Current Techniques and Protocols by Andrew I. Spielman and Joseph G. Brand (Hardcover - July 12, 1995)  
ISBN-13: 978-0849376450   
6 The Work Environment: Occupational Health Fundamentals, Volume I by Doan J. Hansen (Hardcover - May 9, 1991)  
ISBN-13: 978-0873713030   
7Peptide Receptors, Part I, Volume 16 (Handbook of Chemical Neuroanatomy) by A. BjÃ¶rklund, T. HÃ¶kfelt, and P. Quinton (Hardcover - June 22, 2000)  
ISBN-13: 978-0444829726   
8 Chemical and Biological Standoff Detection (Proceedings of S P I E) by James O. Jenson (Paperback - Feb. 2004)  
ISBN-13: 978-0819451576  
世界各地拥有馆藏的图书馆（OCLC）:54  
9 Mathematical Theory of Electrophoresis by V.G. Babskii, M.Yu. Zhukov, and V.I. Yudovich (Hardcover - Apr. 30, 1989)  
ISBN-13: 978-0306110184  
10 Biomaterials: From Molecules to Engineered Tissue (Advances in Experimental Medicine and Biology) by Nesrin Hasirci and Vasif Hasirci (Hardcover - Sept. 1, 2004)  
 ISBN-13: 978-0306485831  
世界各地拥有馆藏的图书馆（OCLC）:180