课程代码（Coursenumber）：  
271C.   
  
课程名（Coursename）：  
Chemical Biology III: Contemporary Topics in Chemical Biology.   
  
学分（credit)： (1)  
  
课程设置（course setting）：Three hours of lecture per week for five weeks.   
  
选课要求（prerequisite）：271B or consent of instructor.   
  
课程描述（Description）： This course will build on the principles discussed  
in Chemical Biology I and II. The focus will consist of case studies where rigorous chemical approaches have been brought to bear on biological questions. Potential subject areas will include signal transduction, photosynthesis, immunology, virology, and cancer. For each topic, the appropriate bioanalytical techniques will be emphasized. (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