课程名（Coursename）  
Chemistry 270. Chemical Biology  
  
课程代码（Coursenumber）  
7754  
  
课程对象（Audience）  
Primarily for Graduates  
  
开课教师（Teacher）  
Gavin MacBeath  
  
学期（Semester）  
Fall term  
  
课程描述（Description））  
Applying chemical approaches to problems in biology. Topics include: protein engineering and directed evolution; RNA catalysis and gene regulation; chemical genetics, genomics, and proteomics; drug action and resistance; rational and combinatorial approaches to drug discovery; metabolic engineering.  
  
课时信息（Totalhours）  
Tu., Th., 1–2:30. EXAM GROUP: 15, 16  
  
教参信息（Textbookinfo）  
1 Chemical Biology: Learning through Case Studies by Herbert Waldmann and Petra Janning (Paperback - May 18, 2009)  
ISBN-13: 978-3527323302  
世界各地拥有馆藏的图书馆（OCLC）:158  
2 Chemical Biology: From Small Molecules to Systems Biology and Drug Design(3-Volume Set) by Stuart L. Schreiber, Tarun M. Kapoor, and G?nther Wess (Hardcover - Apr. 20, 2007)  
ISBN-13: 978-3527311507  
世界各地拥有馆藏的图书馆（OCLC）:167  
3 Chemical Biology: A Practical Course by Herbert Waldmann and Petra Janning (Paperback - Sept. 3, 2004)  
ISBN-13: 978-3527307784  
世界各地拥有馆藏的图书馆（OCLC）:400  
4 Essentials Of Chemical Biology: Structure and Dynamics of Biological Macromolecules by Andrew D Miller and Julian Tanner (Paperback - Aug. 25, 2008)  
ISBN-13: 978-0470845318  
世界各地拥有馆藏的图书馆（OCLC）:291  
5 Foundations of Chemical Biology (ºc Ocp ºt Oxford Chemistry Primers, 98) by C. M. Dobson, J. A. Gerrard, and A. J. Pratt (Paperback - Mar. 14, 2002)  
ISBN-13: 978-0199248995  
世界各地拥有馆藏的图书馆（OCLC）:252  
6 Chemical Biophysics: Quantitative Analysis of Cellular Systems (Cambridge Texts in Biomedical Engineering) by Daniel A. Beard and Hong Qian (Hardcover - July 7, 2008)  
ISBN-13: 978-0521870702  
世界各地拥有馆藏的图书馆（OCLC）:236  
7 Chemistry: A General Chemistry Project of the American Chemical Society by American Chemical Society and Jerry A. Bell (Hardcover - Feb. 13, 2004)  
ISBN-13: 978-0716731269  
8 Glycoscience: Chemistry and Chemical Biology by Bertram O. Fraser-Reid, Kuniaki Tatsuta, Joachim Thiem, and Gregory L. CotÃ© (Hardcover - May 23, 2008)  
ISBN-13: 978-3540361541  
世界各地拥有馆藏的图书馆（OCLC）:27  
9 Chemical Biology: Concepts, Methods and Tools for Drug Discovery (Methods and Principles in Medicinal Chemistry) by Tomi K. Sawyer, Raimund Mannhold, Hugo Kubinyi, and Gerd Folkers (Hardcover - Aug. 16, 2010)  
ISBN-13: 978-3527322985  
世界各地拥有馆藏的图书馆（OCLC）:2  
10 Introduction to Network Thermodynamics and Relational Systems Theory: Applications to Complex Systems (Wiley Series on Chemical, Computational, and Systems Biology) by Donald Mikulecky (Hardcover - July 6, 2010)  
ISBN-13: 978-0470472347  
世界各地拥有馆藏的图书馆（OCLC）:1  
11 The Chemical Biology of Nucleic Acids by Gunter Mayer (Hardcover - Aug. 2, 2010)  
ISBN-13: 978-0470519745  
世界各地拥有馆藏的图书馆（OCLC）:24  
12 Protein Targeting with Small Molecules: Chemical Biology Techniques and Applications by Hiroyuki Osada (Hardcover - Aug. 10, 2009)  
ISBN-13: 978-0470120538  
世界各地拥有馆藏的图书馆（OCLC）:117