课程名（Coursename）  
Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology  
  
课程代码（Coursenumber）  
2137  
  
课程对象（Audience）  
Primarily for Undergraduates  
  
开课教师（Teacher）  
Robert A. Lue and Daniel E. Kahne  
  
学期（Semester）  
fall term  
  
课程描述（Description））  
What are the fundamental features of living systems? What are the molecules imparting them and how do their chemical properties explain their biological roles? The answers form a basis for understanding the molecules of life, the cell, diseases, and medicines. In contrast with traditional presentations of relevant scientific disciplines in separate courses, we take an integrated approach, presenting chemistry, molecular biology, biochemistry, and cell biology framed within central problems such as the biology of HIV and cancer.  
  
课时信息（Totalhours）  
Tu., Th., 1-2:30, and three hours of laboratory/discussion weekly. EXAM GROUP: 15, 16  
  
教参信息（Textbookinfo）  
1 Organic Chemistry for the Life 1 Glencoe Science: An Introduction to the Life, Earth and Physical Sciences, Student Edition - Hardcover - Student Edition (June 17, 2002) by McGraw-Hill  
ISBN-13: 978-0078306167  
世界各地拥有馆藏的图书馆（OCLC）:17  
2 Introduction to the Biology of Marine Life - Paperback (Mar. 14, 2008) by John F. Morrissey and James L. Sumich  
ISBN-13: 978-0763753696  
世界各地拥有馆藏的图书馆（OCLC）:66  
3 Science: An Introduction to the Life, Earth, & Physical Sciences (Teacher Wraparound Edition) - Hardcover (May 1999)  
ISBN-13: 978-0028283166  
4 General, Organic, and Biological Chemistry: An Integrated Approach - Hardcover (Jan. 15, 2010) by Laura D. Frost, S. Todd Deal, and Karen C. Timberlake  
ISBN-13: 978-0805381788  
世界各地拥有馆藏的图书馆（OCLC）:16  
5 Lymphatics (Colloquium Series on Integrated Systems Physiology: from Molecule to Function) - Paperback (July 31, 2010) by David Zawieja  
ISBN-13: 978-1615040339  
世界各地拥有馆藏的图书馆（OCLC）:2  
6 Soil Carbon Dynamics: An Integrated Methodology - Hardcover (Feb. 15, 2010) by Werner L. Kutsch, Michael Bahn, and Andreas Heinemeyer  
ISBN-13: 978-0521865616  
世界各地拥有馆藏的图书馆（OCLC）:91  
7 An Introduction to Predictive Maintenance, Second Edition (Plant Engineering) - Hardcover (Oct. 10, 2002) by R. Keith Mobley President and CEO of Integrated Systems Inc.  
ISBN-13: 978-0750675314  
世界各地拥有馆藏的图书馆（OCLC）:92  
8 Study Guide for Heiman's Understanding Research Methods and Statistics: An Integrated Introduction for Psychology, 2nd - Paperback (Oct. 12, 2000) by Gary Heiman  
ISBN-13: 978-0618043057  
9 Microelectronic Processing: An Introduction to the Manufacture of Integrated Circuits (Mcgraw Hill Series in Electrical and Computer Engineering) - Hardcover (Feb. 1987) by Walter Scot Ruska  
ISBN-13: 978-0070542808  
10 Introduction to Accounting: An Integrated Approach/Annual Report Booklet to Accompany Introduction to Accounting : An Integrated Approach - Hardcover (Nov. 1996) by Penne Ainsworth, Deines, Plumlee, and Larson  
ISBN-13: 978-0256234220  
11 Introduction to Product/Service-System Design - Hardcover (Dec. 1, 2009) by Tomohiko Sakao and Mattias Lindahl  
ISBN-13: 978-1848829084  
世界各地拥有馆藏的图书馆（OCLC）:16