课程名（Coursename）

Biological Chemistry II

课程代码（Coursenumber）

5.08J

课程对象（Audience）

Undergraduate

选课前提（prerequisite）

5.12; 5.07 or 7.05

单元（units）

4-0-8

添加至时间表 （add to schedule）

Lecture: MWF11 (4-270) Recitation: W1 (26-142) or R1 (26-142) or F1 (26-168) or F2 (26-168) +final

开课教师（Teacher）

A. Y. Ting, E. Nolan

学期（Semester）

spring term

课程描述（Description）

More advanced treatment of biochemical mechanisms that underlie biological processes. Topics include macromolecular machines such as the ribosome, the proteosome, fatty acid synthases as a paradigm for polyketide synthases and non-ribosomal polypeptide synthases, and polymerases. Emphasis is on experimental methods used to unravel these processes and how these processes fit into the cellular context and coordinate regulation.

课时信息（Totalhours）

教参信息（Textbookinfo）

1 The Organic Chemistry of Biological Pathways by John McMurry and Tadhg Begley (Hardcover - Feb. 2005)

Publisher: Roberts & Company Publishers; 1 edition (February 2005)

ISBN-13: 978-0974707716

世界各地拥有馆藏的图书馆（OCLC）:319

2 Fundamentals of General, Organic, and Biological Chemistry (6th Edition) by John McMurry, David S. Ballantine, Carl A. Hoeger, and Virginia E. Peterson (Hardcover - Feb. 16, 2009)

Publisher: Prentice Hall; 6 edition (February 16, 2009)

ISBN-13: 978-0136054504

世界各地拥有馆藏的图书馆（OCLC）:56

3 General, Organic, and Biological Chemistry by Janice G. Smith (Hardcover - Jan. 2010)

Publisher: McGraw-Hill (January 2010)

ISBN-13: 978-0073026572

世界各地拥有馆藏的图书馆（OCLC）:27

4 Chemistry: An Introduction to General, Organic, & Biological Chemistry (10th Edition) by Karen Timberlake (Hardcover - Feb. 18, 2008)

Publisher: Prentice Hall; 10 edition (February 18, 2008)

ISBN-13: 978-0136019701

世界各地拥有馆藏的图书馆（OCLC）:97

5 General, Organic, and Biological Chemistry: An Integrated Approach by Laura D. Frost, S. Todd Deal, and Karen C. Timberlake (Hardcover - Jan. 15, 2010)

Publisher: Prentice Hall; 1 edition (January 15, 2010)

ISBN-13: 978-0805381788

世界各地拥有馆藏的图书馆（OCLC）:11

6 General, Organic, and Biological Chemistry by H. Stephen Stoker (Hardcover - Dec. 15, 2008)

Publisher: Brooks Cole; 5 edition (December 15, 2008)

ISBN-13: 978-0547152813

世界各地拥有馆藏的图书馆（OCLC）:19

7 Laboratory Manual for General, Organic, and Biological Chemistry by Karen C. Timberlake (Spiral-bound - June 16, 2006)

Publisher: Prentice Hall; 2 Lab edition (June 16, 2006)

ISBN-13: 978-0805349047

世界各地拥有馆藏的图书馆（OCLC）:8

8 Schaum's Outline Of General, Organic and Biological Chemistry by George Odian and Ira Blei (Paperback - Jan. 1, 1994)

Publisher: McGraw-Hill; 1 edition (January 1, 1994)

ISBN-13: 978-0070476097

9 General Organic and Biological Chemistry by Kenneth William Raymond (Hardcover - Dec. 14, 2009)

Publisher: Wiley; 3 edition (December 14, 2009)

ISBN-13: 978-0470504765

世界各地拥有馆藏的图书馆（OCLC）:19

10 Study Guide & Full Solutions Manual for Fundamentals of General, Organic, and Biological Chemistry by John McMurry, Susan E McMurry, David Ballantine, and Carl A. Hoeger (Paperback - May 18, 2009)

Publisher: Prentice Hall; 6 edition (May 18, 2009)

ISBN-13: 978-0321612380

世界各地拥有馆藏的图书馆（OCLC）:3