课程名（Coursename）

Physical Chemistry Laboratory

课程代码（Coursenumber）

 5.38

课程对象（Audience）

Undergraduate

选课前提（prerequisite）

See module descriptions

单元（units）

arranged

添加至时间表 （add to schedule）

Compulsory: Mandatory Safety Lec 2/3 1pm (4-370) or Mandatory Safety Lec 2/2 1pm (10-250) Lecture: TR9 (8-119) Lab: MW1-5 (4-430) or TR1-5 (4-430) or or Design:

开课教师（Teacher）

M. G. Bawendi (Module 10), A. Tokmakoff (Module 11), J. Simpson (Module 12)

学期（Semester）

spring term

课程描述（Description）

This 12-unit subject consists of 3 modules, which may be taken during different terms. Instruction and practice in the written and oral presentation of experimental results provided. Modules and prerequisites are as follows:

Module 10 (Prereq: 5.61, Module 6) Quantum Dots.

Module 11 (Prereq: 5.61, 5.07 or 7.05, Module 5) Time Resolved Molecular Spectroscopy.

Module 12 (Prereq: 5.61, 5.07 or 7.05, Module 6) Solid State NMR.

Enrollment limited; preference to Course 5 majors.

备注（notes）

Can be repeated for credit

教参信息（Textbookinfo）

1 Experimental Physical Chemistry: A Laboratory Textbook by Arthur Halpern and George McBane (Hardcover - June 30, 2006)

Publisher: W. H. Freeman; 3 edition (June 30, 2006)

ISBN-13: 978-0716717355

世界各地拥有馆藏的图书馆（OCLC）:66

2 Hooked on PChem Lab: Physical Chemistry Laboratory Manual by WILSON ROBB J (Paperback - Jan. 25, 2010)

Publisher: Kendall Hunt Publishing (January 25, 2010)

ISBN-13: 978-0757574474

3 Experiments in Physical Chemistry by Carl Garland, Joseph Nibler, and David Shoemaker (Hardcover - Feb. 14, 2008)

Publisher: McGraw-Hill Science/Engineering/Math; 8 edition (February 14, 2008)

ISBN-13: 978-0072828429

世界各地拥有馆藏的图书馆（OCLC）:76

4 Physical Chemistry Laboratory: Principles and Experiments (Hardcover - June 1978)

Publisher: Prentice Hall College Div (June 1978)

ISBN-13: 978-0024053503

5 Synthesis and Technique in Inorganic Chemistry: A Laboratory Manual by Gregory S. Girolami, Thomas B. Rauchfuss, and Robert J. Angelici (Paperback - Aug. 1, 1999)

Publisher: University Science Books; 3rd edition (August 1, 1999)

ISBN-13: 978-0935702484

6 Chemistry in the Laboratory: A Study of Chemical and Physical Changes by Jo Allan Beran (Paperback - Dec. 1, 2008)

Publisher: Wiley; 2 edition (December 1, 2008)

ISBN-13: 978-0471109525

世界各地拥有馆藏的图书馆（OCLC）:66

7 Laboratory Safety for Chemistry Students by Robert H. Hill and David Finster (Paperback - Aug. 9, 2010)

Publisher: Wiley (August 9, 2010)

ISBN-13: 978-0470344286

世界各地拥有馆藏的图书馆（OCLC）:2

8 Applied Water and Spentwater Chemistry: A laboratory manual by Gaines Bradford Jackson (Hardcover - Feb. 28, 1993)

Publisher: Springer; 1 edition (February 28, 1993)

ISBN-13: 978-0442010607

9 Reactions and Syntheses: In the Organic Chemistry Laboratory by Lutz F. Tietze, Theophil Eicher, Ulf Diederichsen, and Andreas Speicher (Paperback - Nov. 16, 2007)

Publisher: Wiley-VCH (November 16, 2007)

ISBN-13: 978-3527312238

世界各地拥有馆藏的图书馆（OCLC）:152

10 Experimental Physical Chemistry: A Laboratory Textbook (2nd Edition) by Arthur M. Halpern (Spiral-bound - Apr. 29, 1997)

Publisher: Prentice Hall; 2 edition (April 29, 1997)

ISBN-13: 978-0136542032