课程代码（Coursenumber）：

260.

课程名（Coursename）：

Reaction Mechanisms.

学分（credit) ：(2) Formerly 260A-260B.

课程设置（course setting）：Three hours of lecture and in-class discussion and problem solving for 10 weeks and one week of computer laboratory. 选选课要求（prerequisite）：200 or 201 or consent of instructor.

课程描述（Description）：Advanced methods for studying organic reaction mechanisms. Topics include kinetic isotope effects, behavior of reactive intermediates, chain reactions, concerted reactions, molecular orbital theory and aromaticity, solvent and substituent effects, linear free energy relationships, photochemistry.(F)

教参信息（Textbookinfo）:

1 The Art of Writing Reasonable Organic Reaction Mechanisms by Robert B. Grossman (Hardcover - Dec. 13, 2002)

ISBN-13: 978-0387954684

世界各地拥有馆藏的图书馆（OCLC）:435

2 March's Advanced Organic Chemistry: Reactions, Mechanisms, and Structure by Michael B. Smith and Jerry March (Hardcover - Jan. 16, 2007)

ISBN-13: 978-0471720911

世界各地拥有馆藏的图书馆（OCLC）:466

3 Arrow-Pushing in Organic Chemistry: An Easy Approach to Understanding Reaction Mechanisms by Daniel E. Levy (Paperback - Aug. 18, 2008)

ISBN-13: 978-0470171103

世界各地拥有馆藏的图书馆（OCLC）:345

4 Name Reactions: A Collection of Detailed Mechanisms and Synthetic Applications by Jie Jack Li (Hardcover - Sept. 10, 2009)

ISBN-13: 978-3642010521

世界各地拥有馆藏的图书馆（OCLC）:77

5 Chemical Kinetics and Reaction Mechanisms by James Espenson and James Espenson (Paperback - Dec. 10, 2002)

ISBN-13: 978-0072883626

世界各地拥有馆藏的图书馆（OCLC）:27

6 Writing Reaction Mechanisms in Organic Chemistry, Second Edition (Advanced Organic Chemistry Series) by Audrey Miller and Philippa H. Solomon (Paperback - Nov. 18, 1999)

ISBN-13: 978-0124967120

7 Organic Chemistry of Enzyme-Catalyzed Reactions, Revised Edition, Second Edition by Richard B. Silverman (Hardcover - Mar. 14, 2002)

ISBN-13: 978-0126437317

世界各地拥有馆藏的图书馆（OCLC）:229

8 Organic Reaction Mechanisms: Selected Problems and Solutions by William C. Groutas (Paperback - Dec. 10, 2008)

ISBN-13: 978-0471282518

世界各地拥有馆藏的图书馆（OCLC）:262

9 Organic Reaction Mechanisms 2006 (Organic Reaction Mechanisms Series) by Chris Knipe (Hardcover - June 15, 2010)

ISBN-13: 978-0470519059

世界各地拥有馆藏的图书馆（OCLC）:3

10 Organic Reaction Mechanisms: 40 Solved Cases by Mar Gómez Gallego and Miguel A. Sierra (Hardcover - Jan. 22, 2004)

ISBN-13: 978-3540003526

世界各地拥有馆藏的图书馆（OCLC）:310