课程代码（Coursenumber）

CHM 538

课程对象（Audience）

Primarily for Graduates

开课教师（Teacher）

学期（Semester）

课程描述（Description））

The chemical mechanisms of enzyme-catalyzed reactions are studied. The nature and sequence of events at enzyme active sites, emphasizing the participation of prosthetic groups and amino acid side chains in catalysis are also studied. Topics discussed include the use of kinetic, spectroscopic, and structural data as well as substrate analog and isotopic substitution studies for analysis of enzyme mechanisms.

课时信息（Totalhours）

教参信息（Textbookinfo）

1 Anthracycline Chemistry and Biology I: Biological Occurence and Biosynthesis, Synthesis and Chemistry (Topics in Current Chemistry) (No. 1) by Karsten Krohn (Hardcover - Aug. 15, 2008)

ISBN-13: 978-3540758143

世界各地拥有馆藏的图书馆（OCLC）:60

2 Water and Biological Macromolecules (Topics on Molecular and Structural Biology) by Westhof (Hardcover - Aug. 16, 1993)

ISBN-13: 978-0849375705

3 The Nature of Biological Systems as Revealed by Thermal Methods (Hot Topics in Thermal Analysis and Calorimetry) by Dénes Lörinczy (Hardcover - Aug. 20, 2004)

ISBN-13: 978-1402022180

世界各地拥有馆藏的图书馆（OCLC）:84

4 Preclinical Safety Evaluation of Biopharmaceuticals: A Science-Based Approach to Facilitating Clinical Trials by Joy A. Cavagnaro (Hardcover - Aug. 11, 2008)

ISBN-13: 978-0470108840

世界各地拥有馆藏的图书馆（OCLC）:58

5 Atomistic Approaches in Modern Biology (Topics in Current Chemistry) by Markus Reiher (Hardcover - Feb. 21, 2007)

ISBN-13: 978-3540380825

世界各地拥有馆藏的图书馆（OCLC）:120