

10320LSMC634800
酵素結構與催化機制
Enzyme Structures and Mechanisms

教師：王雯靜

時間：星期二 9:00 am~12:00 am

地點：生科二館206室

第 週	Topics
1	Introduction
2	The organic chemistry of enzyme-catalyzed reactions (I)
3	The organic chemistry of enzyme-catalyzed reactions (II)
4	The organic chemistry of enzyme-catalyzed reactions (III)
5	The three-dimensional structure of enzymes (I)
6	The three-dimensional structure of enzymes (II)
7	The three-dimensional structure of enzymes (III)
8	Mid Examination
9	Enzyme kinetics
10	Measurement and magnitude of individual rate constants (I)
11	Measurement and magnitude of individual rate constants (II)
12	Practical methods for kinetics and equilibria
13	Stereochemistry of enzymatic reactions (I)
14	Stereochemistry of enzymatic reactions (II)
15	Special topics on enzyme structure (I)
16	Special topics on enzyme structure (II)
17	Special topics on enzyme structure (III)
18	Final Examination

參考書本

1. Fersht, A. (1999). *Structure and Mechanism in Protein Science—A Guide to Enzyme catalysis and Protein Folding*. Freeman.
2. Silverman, R. B. (2000). *The Organic Chemistry of Enzyme-Catalyzed Reactions*. Academic Press.