LS 6344
100年度第二學期
酵素結構與催化機制專題

教師：王雯靜
p時間：星期一 13:00 pm~16:00 am
地點：生科二館211室

第　週	日　期	Topics
1	2/20	Introduction
2	2/27	Holiday
3	3/05	The organic chemistry of enzyme-catalyzed reactions (I)
4	3/12	The organic chemistry of enzyme-catalyzed reactions (II)
5	3/19	The three-dimensional structure of enzymes (I)
6	3/26	The three-dimensional structure of enzymes (II)
7	4/02	Spring Holiday
8	4/09	The three-dimensional structure of enzymes (III)
9	4/16	Mid Examination
10	4/23	Enzyme kinetics
11	4/30	Measurement and magnitude of individual rate constants (I)
12	5/07	Measurement and magnitude of individual rate constants (II)
13	5/14	Practical methods for kinetics and equilibria
14	5/21	Stereochemistry of enzymatic reactions (I)
15	5/28	Stereochemistry of enzymatic reactions (II)
16	6/04	Special topics on enzyme structure (I)
17	6/11	Special topics on enzyme structure (II)
18	6/18	Special topics on enzyme structure (III)
19	6/25	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.