

**SCBC609 Structure and Mechanism of Enzymes**  
**Aug 3-Oct 10, 2011; Lecture Room: B301; Computer Room: P114**

Period	Date (Day)	Time	Topic	Staff
1	Aug 3, (W)	9:00-9:30 10:00-12:00	Course Orientation Exploring protein structure by CD spectroscopy	Jirundon Chartchai
2	Aug 8, (M)	9:00-11:00	Overview of protein structure and structural biology	Danaya
3	Aug 9, (T)	9:00-11:00	X-ray crystallography	Danaya
4	Aug 10, (W)	9:00-11:00	X-ray crystallography & PDB Nucleic acid structures	Danaya
5	Aug 15, (M)	9:00-12:00	Using PyMOL program for visualizing protein structures (At P114, Stang Mongkolsuk Learning Center ) <b>Take-home Exam I (7%)</b>	Danaya & TA
6	Aug 22, (M)	9:00-11:00	Nucleic acid enzymes	Danaya
7	To be announced	To be announced	Question & Answer (1 hr.)	Danaya
8	Aug 24, (W)	9:00-11:00	Molecular binding	Pimchai
9	Aug 29, (M)	9:00-11:00	Protein and ligand Interactions	Jirundon
10	Aug 31, (W)	9:00-11:00	Proteases and hydrolases	Jirundon
11	Sep 5, (M)	9:00-11:00	Enzyme kinetics and inhibition	Pimchai
12	Sep 7 (W)	9:00-11:00	Question & Answer	Jirundon & Pimchai
13	Sep 12, (M)	9:00-11:00	<b>Exam I (CK, DP, JY) (50%)</b>	Jirundon
14	Sep 14, (W)	9:00-11:00	Redox enzymes	Pimchai
15	Sep 19, (M)	9:00-11:00	Metalloenzymes	Laran
16	Sep 21, (W)	9:00-11:00	Pyridoxal 5-phosphate and biotin-dependent enzymes	Pimchai
17	Sep 26, (M)	9:00-11:00	Special Lecture: To be announced <b>Take-home exam II (7%)</b>	To be announced
18	Sep 28, (W)	9:00-11:00	Question & Answer	Pimchai & Laran
19	Oct 10, (M)	9:00-11:00	<b>Exam II (PC, LJ) (36%)</b>	Jirundon

Course Coordinator: Dr. Jirundon Yuvaniyama  
Tel: 0-2201-5592, 08-9449-2686; email scjyv@mahidol.ac.th