

Schedule for 2310520
 MECHANISTIC ENZYMOLOGY (2 credits)
 Second semester (2019)

Time: TU 08.00 - 10.00

Room: 519 SCI10

Co-ordinator: Kanoktip

Topic	Hrs.	Date	Instructor
1. Reviews on principle of enzyme catalysis	2	Jan-07	Kittikhun
2. Mechanisms of enzyme catalysis - Fundamental and enzyme model - The involvement of coenzyme in enzyme-catalysed reactions - Approach on active site investigation	9	Jan 21, 28, Feb 4, 11, 18 (08.00 - 09.00)	Kittikhun
3. Bioenergetic in related to catalysis and kinetics 4. Enzyme kinetics - Kinetic of single-substrate enzyme-catalysed reactions - Enzyme inhibitions	4	Feb 18 (09.00 - 10.00), 25 (นัดเพิ่ม 1 ชม.)	Surasak
Mid-term examination:			
5. Advanced enzyme kinetics - Kinetic of multi-substrate enzyme-catalysed reaction	8	Mar 10, 17, 24, 31	Surasak
6. Non-protein enzymes	3	Apr 7, 21 (08.00-09.00)	Kanoktip
7. Principles of enzyme assay - End-point method - Kinetic method - Immunoassay method	2	Apr 21 (09.00-10.00), 28 (08.00-09.00)	Kanoktip
Final examination:			

