

Schedule for 2310520
 MECHANISTIC ENZYMOLOGY (2 credits)
 Second semester (2020)

Time: TU 08.00 - 10.00

Room: 519 SCI10

Co-ordinator: Kittikhun

Topic	Hrs.	Date	Instructor
1. Reviews on principle of enzyme catalysis	2	19-Jan	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 26, Feb 2, 9, 16, 23 (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 23 (09.00 - 10.00), Mar 2 (นัดเพิ่ม 1 ชม.)	Surasak
Mid-term examination:			
5. Advanced enzyme kinetics - Kinetic of multi-substrate enzyme-catalysed reaction	8	Mar 16, 23, 30, Apr 20	Surasak
6. Non-protein enzymes	2	27-Apr	Alisa
7. Principles of enzyme assay - End-point method - Kinetic method - Immunoassay method	2	04-May	Alisa
Final examination:			