

Schedule for 2310520			
MECHANISTIC ENZYMOLOGY (2 credits)			
Second semester (2024)			
Time: TU 08.00 - 10.00		Co-ordinator: Kittikhun (kittikhun.w@chula.ac.th)	
Room: SCI10 519			
Topic	Hrs.	Date	Instructor
1. Reviews on principle of enzyme catalysis	2	7-Jan	Kittikhun (ตามเดิม)
2. Mechanisms of enzyme catalysis - Fundamental and enzyme model - The involvement of coenzyme in enzyme-catalysed reactions - Approach on active site investigation - Enzyme engineering	9	14, 21, 28 Jan, 4, 11 Feb	Kittikhun (ตามเดิม)
3. Bioenergetic in related to catalysis and kinetics 4. Enzyme kinetics - Kinetic of single-substrate enzyme-catalysed reactions - Enzyme inhibitions	4	18, 25 Feb	Karan
Mid-term examination: สอบ 3 - 7 Mar 2025; 03-03-2025 08:30 - 11:30 น.			
5. Advanced enzyme kinetics - Kinetic of multi-substrate enzyme-catalysted reaction	8	11, 18, 25 Mar, 1 Apr	Karan
6. Non-protein enzymes	2	8 Apr	Alisa
7. Principles of enzyme assay - End-point method - Kinetic method - Immunoassay method	2	22 Apr	Alisa
Final-term examination: สอบ 28 Apr - 14 May 2025; 08-05-2025 08:30 - 11:30 น.			