

Schedule for 2310612			
ADVANCED BIOCHEMISTRY AND MOLECULAR BIOSCIENCES (2 credits)			
First semester (2025)			
Time: TU 10.00 - 12.00, WE 9.00-11.00	Co-ordinator: Kittikhun		
Room: SCI10 519	Class end before midterm		
Topic	Hrs.	Date	Instructor
Protein and enzyme			
1. Enzyme, enzyme kinetics (two-substrate system) and catalytic mechanisms	8	5, 6, 13, 19 Aug	Kittikhun
2. Structure and function relationships of proteins	8	20, 26, 27, Aug 2 Sep	Rath
Examination I: (นัดสอบเอง)			
Gene regulations in prokaryotes and eukaryotes			
3. Gene regulation, gene expression and transcriptional regulation	6	3, 9, 10 Sep	Teerapong
4. Translation	4	16, 17 Sep	Tanakarn
5. Methodology in molecular biology : Gene cloning and transformation, expression analysis, etc.	4	Two more periods outside of the schedule	Tanakarn
Examination II: (Mid-term examination: 22 - 26 Sep 2025) [TDF] 22 Sep 2025 08:30 - 11:30 น.			