

Schedule for 2310310			
GENERAL BIOCHEMISTRY (3 credits)			
Second semester (2023)			
Time: MO 9:00-10:00, TH 10:00 - 12:00		Co-ordinator: Manchumas	
Room: TAB 221 311			
Topic	Hrs.	Date	Instructor
1. Foundations of Biochemistry	2	6, 9 (10-11) Jan	Manchumas
2. Structure and Catalysis			
2.1 Carbohydrates	2	9 (11-12), 13 Jan	Pattana
2.2 Nucleotides and nucleic acids	3	16, 20 Jan	Pattana
2.3 Lipids	2	23-Jan	Pattana
2.4 Amino acids and proteins	3	27, 30 Jan	Pattana
2.5 Enzymes	5	3, 6, 10, 13 (10-11) Feb	Manchumas
3. Bioenergetics and Metabolism			
3.1 Overview of bioenergetics and metabolism	2	13 (11-12), 17 Feb	Kuakarun
3.2 Carbohydrate metabolism	4	20, 24, 27 (10-11) Feb	Kuakarun
Mid-term examination: สอบ 3 - 7 Mar 2025; 3 มี.ค. 2568 เวลา 8:30-11:30 น.			
3.3 Lipid metabolism	3	10, 13 Mar	Kuakarun
3.4 Metabolism of N-containing compounds	2	17, 20 (10-11) Mar	Kuakarun
3.5 Integration of metabolism and metabolic regulation	3	20 (11-12), 24, 27 (10-11) Mar	Kuakarun
4. Information pathways			
4.1 DNA replication	2	27 (11-12), 31 Mar	Nuchanat
4.2 Transcription	2	3-Apr	Nuchanat
4.3 Translation	1	10 (10-11) Apr	Nuchanat
4.4 Gene regulation	3	10 (11-12), 17 Apr	Manchumas
4.5 Genetic engineering	2	21, 24 (10-11) Apr	Manchumas
Final-term examination: สอบ 28 Apr- 14 May 2025; 30 เม.ย. 2568 เวลา 13:00-16:00 น.			