

Schedule for 2310310			
GENERAL BIOCHEMISTRY (3 credits)			
First semester (2023)			
Time: MO, WE, FR 10:00 - 11:00		Co-ordinator: Manchumas, Supaart	
Room: MHMK 302 (Sec1 and Sec2 เรียนรวมกัน)			
Topic	Hrs.	Date	Instructor
1. Foundations of Biochemistry	2	7, 9 Aug	Supaart
2. Structure and Catalysis			
2.1 Carbohydrates	2	11, 16 Aug	Supaart
2.2 Nucleotides and nucleic acids	3	18, 21, 23 Aug	Supaart
2.3 Lipids	2	25, 28 Aug	Supaart
2.4 Amino acids and proteins	3	30 Aug, 1, 4 Sep	Supaart
2.5 Enzymes	5	6, 8, 11, 13, 15 Sep	Supaart
3. Bioenergetics and Metabolism			
3.1 Overview of bioenergetics and metabolism	2	18, 20 Sep	Rath
3.2 Carbohydrate metabolism	4	22 Sep, 2, 4, 9 Oct	Rath
Mid-term examination: สอบ 25 - 29 Sep 2023 (29 ก.ย. 2566 เวลา 13:00-16:00 น.)			
3.3 Lipid metabolism	3	11, 16, 18 Oct	Rath
3.4 Metabolism of N-containing compounds	2	20, 25 Oct	Rath
3.5 Integration of metabolism and metabolic	3	27, 30 Oct, 1 Nov	Rath
4. Information pathways			
4.1 DNA replication	2	3, 6 Nov	Nuchanat
4.2 Transcription	2	8, 10 Nov	Nuchanat
4.3 Translation	1	13-Nov	Nuchanat
4.4 Gene regulation	3	15, 17, 20 Nov	Manchumas
4.5 Genetic engineering	2	22, 24 Nov	Manchumas
Final-term examination: สอบ 27 Nov- 12 Dec 2023 (30 พ.ย. 2566 เวลา 8:30-11:30 น.)			