

Schedule for 2310310

GENERAL BIOCHEMISTRY (3 credits)

First semester (2021)



Time: MO, WE, FR 10:00 - 11:00			
Room: MHMK 302 (Sec1 and Sec2 <small>เรียนรวมกัน</small>)		Co-ordinator: Manchumas	
MT code: j0hlezw			
Topic	Hrs.	Date	Instructor
1. Foundations of Biochemistry	3	9, 11, 13 Aug	Thanyada
2. Structure and Catalysis			
2.1 Carbohydrates	2	16, 18 Aug	Supaart
2.2 Nucleotides and nucleic acids	3	20, 23, 25 Aug	Supaart
2.3 Lipids	2	27, 30 Aug	Supaart
2.4 Amino acids and proteins	3	1, 3, 6 Sep	Supaart
2.5 Enzymes	4	8, 10, 13, 15 Sep	Thanyada
Mid-term examination: สอบ 27 Sep - 1 Oct 2021 [01-Oct-2021, 13:00 - 16:00]			
3. Bioenergetics and Metabolism			
3.1 Overview of bioenergetics and metabolism	2	17, 20 Sep	Rath
3.2 Carbohydrate metabolism	4	22 Sep, 4, 6, 8 Oct	Rath
3.3 Lipid metabolism	3	11, 15, 18 Oct	Rath
3.4 Metabolism of N-containing compounds	2	20, 25 Oct	Rath
3.5 Integration of metabolism and metabolic regulation	3	27, 29 Oct, 1 Nov	Rath
4. Information pathways			
4.1 DNA replication	2	3, 5 Nov	Manchumas
4.2 Transcription	2	8, 10 Nov	Manchumas
4.3 Translation	1	12-Nov	Manchumas
4.4 Gene regulation	3	15, 17, 19 Nov	Nuchanat
4.5 Genetic engineering	2	22, 24 Nov	Nuchanat
Final examination: สอบ 29 Nov - 14 Dec 2021 [02-Dec-2021, 08:30 - 11:30]			



