

Schedule for 2310310

GENERAL BIOCHEMISTRY (3 credits)

Second semester (2022)

Time: MO 9-10. TH 10-12

Co-ordinator: Manchumas

Room: TAB 311

Topic	Hrs.	Date	Instructor
1. Foundations of Biochemistry	3	9, 12 Jan	Manchumas
2. Structure and Catalysis			
2.1 Carbohydrates	2	16, 19 (10-11) Jan	Pattana
2.2 Nucleotides and nucleic acids	3	19 (11-12), 23, 26 (10-11) Jan	Pattana
2.3 Lipids	2	26 (11-12), 30 Jan	Pattana
2.4 Amino acids and proteins	3	2, 6 Feb	Pattana
2.5 Enzymes	4	9, 13, 16 (10-11) Feb	Manchumas
3. Bioenergetics and Metabolism			
3.1 Overview of bioenergetics and metabolism	2	16(11-12), 20 Feb	Kuakarun
3.2 Carbohydrate metabolism	4	23, 27 Feb, 2 Mar (10-11)	Kuakarun
Mid-term examination 7 - 13 Mar 2023: 13 มี.ค. 2566 เวลา 8:30-11:30 น.			
3.3 Lipid metabolism	3	16, 20 Mar	Kuakarun
3.4 Metabolism of N-containing compounds	2	23-มี.ค.	Kuakarun
3.5 Integration of metabolism and metabolic regulation	3	27, 30 Mar	Kuakarun
4. Information pathways			
4.1 DNA replication	4+1	3, 10, 20 Apr	Manchumas
4.2 Transcription			Manchumas
4.3 Translation			Manchumas
4.4 Gene regulation	4+1	24, 27 Apr, 1 May	Nuchanat
4.5 Genetic engineering			Nuchanat
Final examination 8 - 19 May 2023: 10 พ.ค. 2566 เวลา 13:00-16:00 น.			