

Online

Schedule for 2310310
GENERAL BIOCHEMISTRY (3 credits)
Second semester (2021)



Time: MO 9-10. TH 10-12.				
Room: 521 เรียน online		Co-ordinator: Manchumas		
Online Platform		Microsoft Teams: 2310310 Term 2, 2021; code "hs9hm52"		
Topic	Hrs.	Learning Method	Date	Instructor
1. Foundations of Biochemistry	3	MT LIVE	10, 13 Jan	Thanyada
2. Structure and Catalysis				
2.1 Carbohydrates	2	MT LIVE	17, 20 (10-11) Jan	Rath
2.2 Nucleotides and nucleic acids	3	MT LIVE	20 (11-12), 24, 27 (10-11) Jan	Rath
2.3 Lipids	2	MT LIVE	27 (11-12), 31 Jan	Rath
2.4 Amino acids and proteins	3	MT LIVE	3, 7 Feb	Rath
2.5 Enzymes	4	MT LIVE	10, 14, 17 (10-11) Feb	Thanyada
3. Bioenergetics and Metabolism				
3.1 Overview of bioenergetics and metabolism	2	MT LIVE	17 (11-12), 21 Feb	Kuakarun
3.2 Carbohydrate metabolism	4	MT LIVE	24, 28 Feb, 3 Mar (10-11)	Kuakarun
Mid-term examination 7 - 11 Mar 2022: 7 Mar 2565 (8:30-11:30)				
3.3 Lipid metabolism	3	MT LIVE	14, 17 Mar	Kuakarun
3.4 Metabolism of N-containing compounds	2	MT LIVE	21, 24 (10-11) Mar	Kuakarun
3.5 Integration of metabolism and metabolic regulation	3	MT LIVE	24 (11-12), 28, 31 (10-11) Mar	Kuakarun
4. Information pathways				
4.1 DNA replication	5	MT VDO Clip	4, 7, 11, 18 Apr	Nuchanat
4.2 Transcription				Nuchanat
4.3 Translation				Nuchanat
4.4 Gene regulation	5	MT LIVE	21, 25, 28 Apr	Manchumas
4.5 Genetic engineering				Manchumas
Final examination 9 - 24 May 2022: 11 May 2565 (13:00-16:00)				