

Schedule for 2310310
GENERAL BIOCHEMISTRY (3 credits)
Second semester (2020)

Time: MO 9-10. TH 10-12.

Room: 521– เรียน online		Co-ordinator: Manchumas		
Online Platform		Microsoft Teams: 2310310 Gen Biochem 2nd semester_2020; code "xyxjehf"		
Topic	Hrs.	Learning Method	Date	Instructor
1. Foundations of Biochemistry	3	MT LIVE	18, 21 Jan	Thanyada
2. Structure and Catalysis				
2.1 Carbohydrates	2	MT LIVE	25, 28 (10-11) Jan	Supaart
2.2 Nucleotides and nucleic acids	3	MT LIVE	28 (11-12) Jan, 1, 4 (10-11) Feb	Supaart
2.3 Lipids	2	MT LIVE	4 (11-12), 8 Feb	Supaart
2.4 Amino acids and proteins	3	MT LIVE	11, 15 Feb	Supaart
2.5 Enzymes	4	MT LIVE	18, 22, 25 (10-11) Feb	Thanyada
3. Bioenergetics and Metabolism				
3.1 Overview of bioenergetics and metabolism	2	MT LIVE	25 (11-12) Feb, 1 Mar	Surasak
Mid-term examination: 8-12 Mar 2021				
3.2 Carbohydrate metabolism	4	MT LIVE	15, 19, 22 Mar	Surasak
3.3 Lipid metabolism	3	MT LIVE	25, 29 Mar	Kuakarun
3.4 Metabolism of N-containing compounds	2	MT LIVE	01-Apr	Kuakarun
3.5 Integration of metabolism and metabolic regulation	3	MT LIVE	5, 7 Apr	Kuakarun
4. Information pathways				
4.1 DNA replication	5	MT VDO Clip	12, 19, 22, 26 Apr	Nuchanat
4.2 Transcription				Nuchanat
4.3 Translation				Nuchanat
4.4 Gene regulation	5	MT LIVE	29 Apr, 3, 6 May	Manchumas
4.5 Genetic engineering				Manchumas
Final examination: 10-24 May 2021				