

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

Time: MO, WE, FR 10:00 - 11:00

Room: เรียน online

Co-ordinator: Manchumas

Topic	Hrs.	Date	Instructor
1. Foundations of Biochemistry	3	10, 14, 17 Aug	Thanyada
2. Structure and Catalysis			
2.1 Carbohydrates	2	19, 21 Aug	Kunlaya
2.2 Nucleotides and nucleic acids	3	24, 26, 28 Aug	Kunlaya
2.3 Lipids	2	31 Aug, 2 Sep	Kunlaya
2.4 Amino acids and proteins	3	4, 7, 9 Sep	Kunlaya
2.5 Enzymes	4	11, 14, 16, 18 Sep	Thanyada
3. Bioenergetics and Metabolism			
3.1 Overview of bioenergetics and metabolism	2	21, 23 Sep	Rath
3.2 Carbohydrate metabolism	4	25, 28, 30 Sep, 12 Oct	Rath
Mid-term examination: 5-9 Oct 2020			
3.3 Lipid metabolism	3	14, 16, 19 Oct	Rath
3.4 Metabolism of N-containing compounds	2	21, 26 Oct	Rath
3.5 Integration of metabolism and metabolic regulation	3	28, 30 Oct, 2 Nov	Rath
4. Information pathways			
4.1 DNA replication	2	4, 6 Nov	Manchumas
4.2 Transcription	2	9, 11 Nov	Manchumas
4.3 Translation	1	13 Nov	Manchumas
4.4 Gene regulation	3	16, 18, 20 Nov	Nuchanat
4.5 Genetic engineering	2	23, 25 Nov	Nuchanat
Final examination: 30 Nov-15 Dec 2020			