

Schedule for 2310310
GENERAL BIOCHEMISTRY (3 credits)
First semester (2019)

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

Room: MHMK 302 (Sec1 and Sec2 เรียนรวมกัน)

Co-ordinator: Manchumas

Topic	Hrs.	Date	Instructor
1. Foundations of Biochemistry	3	14, 16, 19 Aug	Kanoktip
2. Structure and Catalysis			
2.1 Carbohydrates	2	21, 23 Aug	Kunlaya
2.2 Nucleotides and nucleic acids	3	26, 28, 30 Aug	Kunlaya
2.3 Lipids	2	2, 4 Sep	Kunlaya
2.4 Amino acids and proteins	3	6, 9, 11 Sep	Kunlaya
2.5 Enzymes	6	13, 16, 18, 20,	Kanoktip
		23, 25 Sep	
Mid-term examination: 7-11 Oct 2019			
3. Bioenergetics and Metabolism			
3.1 Overview of bioenergetics and metabolism	2	27, 30 Sep	Rath
3.2 Carbohydrate metabolism	3	2, 4, 16 Oct	Rath
3.3 Lipid metabolism	2	18, 21 Oct	Rath
3.4 Metabolism of N-containing compounds	2	25, 28 Oct	Rath
3.5 Integration of metabolism and metabolic regulation	3	30 Oct, 1, 4 Nov	Rath
4. Information pathways			
4.1 DNA replication	2	6, 8 Nov	Manchumas
4.2 Transcription	2	11, 13 Nov	Manchumas
4.3 Translation	1	15-พ.ย.	Manchumas
4.4 Gene regulation	3	18, 20, 22 Nov	Nuchanat
4.5 Genetic engineering	2	25, 27 Nov	Nuchanat
Final examination: 2-17 Dec 2019			