

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

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

Room: 521

Co-ordinator: Manchumas,

Topic	Hrs.	Date	Instructor
1. Foundations of Biochemistry	3	6, 9 Jan	Kanoktip
2. Structure and Catalysis			
2.1 Carbohydrates	2	20, 23 (10-11) Jan	Supaart
2.2 Nucleotides and nucleic acids	3	23 (11-12), 27, 30 (10-11) Jan	Supaart
2.3 Lipids	2	3, 6 (10-11) Feb	Supaart
2.4 Amino acids and proteins	3	6 (11-12), 13 Feb	Supaart
2.5 Enzymes	6	17, 20, 24, 27 Feb	Kanoktip
<b>Mid-term examination:</b>			
3. Bioenergetics and Metabolism			
3.1 Overview of bioenergetics and metabolism	2	9, 12 (10-11) Mar	Kuakarun
3.2 Carbohydrate metabolism	3	12 (11-12), 16, 19 (10-11) Mar	Kuakarun
3.3 Lipid metabolism	2	19 (11-12), 23 Mar	Kuakarun
3.4 Metabolism of N-containing compounds	2	26-มี.ค.	Kuakarun
3.5 Integration of metabolism and metabolic regulation	3	30 Mar, 2 Apr	Kuakarun
4. Information pathways			
4.1 DNA replication	5	9, 16, 20 Apr	Nuchanat
4.2 Transcription			Nuchanat
4.3 Translation			Nuchanat
4.4 Gene regulation	5	23, 27, 30 Apr	Manchumas
4.5 Genetic engineering			Manchumas
<b>Final examination:</b>			

