

Schedule for 2310310 BBTech (Third year)

GENERAL BIOCHEMISTRY (3 credits)

First semester (2025)

Time: MO, TU, TH 9:00 - 10:00		Co-ordinator: Pattana	
Room: Food (SCI05) 301			
Topic	Hrs.	Date	Instructor
1. Foundations of Biochemistry	2	4, 5 Aug	Veerasak
2. Structure and Catalysis			
2.1 Carbohydrates	2	7, 14 Aug	Veerasak
2.2 Nucleotides and nucleic acids	3	18, 19, 21 Aug	Veerasak
2.3 Lipids	2	25, 26 Aug	Veerasak
2.4 Amino acids and proteins	3	28 Aug, 1, 2 Sep	Veerasak
2.5 Enzymes	5	4, 8, 9, 11, 15 Sep	Veerasak
3. Bioenergetics and Metabolism			
3.1 Overview of bioenergetics and metabolism	2	16, 18 Sep	Vorrapon
Mid-term examination: 22 - 26 Sep 2025; 24 Sep 2025 13:00 - 16:00 น.			
3.2 Carbohydrate metabolism	4	29, 30 Sep, 2, 6 Oct	Vorrapon
3.3 Lipid metabolism	3	7, 9, 14 Oct	Kunlaya
3.4 Metabolism of N-containing compounds	2	16, 20 Oct	Kunlaya
3.5 Integration of metabolism and metabolic regulation	3	21, 27, 28 Oct	Kunlaya
4. Information pathways			
4.1 DNA replication	2	30 Oct, 3 Nov	Pattana
4.2 Transcription	2	4, 6 Nov	Pattana
4.3 Translation	1	10-Nov	Pattana
4.4 Gene regulation	3	11, 13, 17 Nov	Pattana
4.5 Genetic engineering	2	18, 20 Nov	Pattana
Final-term examination: 24 Nov - 8 Dec 2025; 25 Nov 2025 08:30 - 11:30 น.			