

วิชา 2314375 Biological Chemistry for Biotechnology (8-9am on W, Th, F)

No.	Topic	Hour	Instructor
1	Introduction, metabolites, applications of biological chemistry in biotechnology Aug 10, 17	2	Inthawoot
2	Biological substance: Lipids 3 h (video clip)	3	Inthawoot
3	Biological substance: Water, Amino acids, Proteins, Carbohydrates Aug 18, 19, 24, 25, 26, 31, and Sep 1, 2, 7	9	Thanachan
4	Biological substance: Enzymes Sep 8, 9, 14	3	Nattida
5	Chemistry and biosynthesis of secondary metabolites: Antibiotics and Vaccines Sep 15, 16	2	Chanprapa
6	Chemistry and biosynthesis of secondary metabolites: Hormones and Stimulants, Toxins Sep 21, 22, 23, 28, 29, 30, and Oct 12, 19, 20, 21	10	Kitipong
7	Separation, purification and analytical techniques: Electrophoresis Oct 26, 27, 28	3	Chanprapa
8	Separation, purification and analytical techniques: Bioassay Nov 2, 3	2	Cheunjit
9	Separation, purification and analytical techniques: High Performance Liquid Chromatography (HPLC) Nov 4, 9	2	Sirima
10	Separation, purification and analytical techniques: Thin Layer Chromatography (TLC) and Gas Chromatography (GC) Nov 16, 17, 18 + 1 h extra	4	Inthawoot
11	Structural determination Nov 23, 24, 25	3	Panita
	<b>Total</b>	<b>43</b>	