

Schedule for 2310502

ENZYME BIOTECHNOLOGY (3 credits)

First semester (2022)

Time: TU, We, TH 08.00 - 09.00 Room: 503 SCI10

Co-ordinator: Alisa

Topic	Hrs.	Date	Instructor
1.1 Introduction to Enzyme Biotechnology and Fundamental of Enzyme Biotechnology 1.2 Sources of Enzyme, Screening of Novel Enzymes and Preparation of Enzyme	4	Aug 9, 10, 16, 17	Alisa
2. Improvement of Enzyme Production	3	Aug 18, 23, 24	Alisa
3. Enzyme Engineering	3	Aug 25, 30, 31	Alisa
4.1 Upstream processing and fermentation process control 4.2 Downstream processing	10	Sep 1, 6, 7, 8, 13, 14, 15, 20, 21, 22	Saowarath
5. Enzyme Safe Handling and Shelf-life	1	Sep 27	Nuchanat
6. Safety Assessment in Enzyme Biotechnology	2	Sep 28, 29	Nuchanat
Mid-term examination: สอบ 3 - 7 Oct 2022; วันที่ 06-10-2022 เวลา 08:30 - 11:30 น.			
7. Legislative Aspect of Enzyme	2	Oct 11, 12	Nuchanat
8. Enzyme Immobilization	5	Oct 18, 19, 20, 25, 26	Manchumas
9. Analytical Application of Enzyme	5	Oct 27, Nov 1, 2, 3, 8	Manchumas
10. Industrial Application of Enzyme	6	Nov 9, 15, 16, 17, 22,	Rath
Final examination: สอบ 28 Nov - 13 Dec 2022; วันที่ 02-12-2022 08:30 - 11:30 น.			