

Schedule for 2310502

ENZYME BIOTECHNOLOGY (3 credits)

First semester (2023)

Time: TU, WE, TH 08.00 - 09.00 Room: 521 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 8, 9, 10, 15	Alisa
2. Improvement of Enzyme Production	3	Aug 16, 17, 22	Alisa
3. Enzyme Engineering	3	Aug 23, 24, 29	Alisa
4.1 Upstream processing and fermentation process control 4.2 Downstream processing 4.3 Economic for enzyme production	10	Aug 30, 31 Sep 5, 6, 7, 12, 13, 14, 19, 20	Saowarath
Mid-term examination: สอบ 25 - 29 Sep 2023 [วันที่ 28 ก.ย. 2566 เวลา 8:30-11:30 น.]			
5. Enzyme Safe Handling and Shelf-life	1	Oct 3	Nuchanat
6. Safety Assessment in Enzyme Biotechnology	2	Oct 4, 5	Nuchanat
7. Legislative Aspect of Enzyme	2	Oct 10, 11	Nuchanat
8. Enzyme Immobilization	5	Oct 12, 17, 18, 19, 24	Manchumas
9. Analytical Application of Enzyme	5	Oct 25, 26, 31 Nov 1, 2	Manchumas
10. Industrial Application of Enzyme	6	Nov 7, 8, 9, 14, 15, 16	Rath
Final-term examination: สอบ 27 Nov- 12 Dec 2023; [วันที่ 1 ธ.ค. 2566 เวลา 8:30-11:30 น.]			