

Schedule for 2310502			
ENZYME BIOTECHNOLOGY (3 credits)			
First semester (2024)			
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	4	Aug 6, 7, 8, 13	Alisa
1.2 Sources of Enzyme, Screening of Novel Enzymes and Preparation of Enzyme			
2. Improvement of Enzyme Production	3	Aug 14, 15, 20	Alisa
3. Enzyme Engineering	3	Aug 21, 22, 27	Alisa
4.1 Upstream processing and fermentation process control	10	Aug 28, 29 Sep 3, 4, 5, 10, 11, 12, 17, 18	Saowarath
4.2 Downstream processing			
4.3 Economic for enzyme production			
Mid-term examination: สอบ 23 - 27 Sep 2024; 26 ก.ย. 2567 เวลา 8:30-11:30 น.			
5. Enzyme Safe Handling and Shelf-life	1	Oct 1th	Nuchanat
6. Safety Assessment in Enzyme Biotechnology	2	Oct 8 9	Nuchanat
7. Legislative Aspect of Enzyme	2	Oct 10,15	Nuchanat
8. Enzyme Immobilization	5	Oct 16, 17, 22, 24, 29	Manchumas
9. Analytical Application of Enzyme	5	Oct 30, 31 Nov 5, 6, 7	Manchumas
10. Industrial Application of Enzyme	6	Nov 12, 13, 14, 19, 20, 21	Rath
Final-term examination: สอบ 25 Nov - 9 Dec 2024; 29 พ.ย. 2567 เวลา 8:30-11:30 น.			