

Schedule for 2310502

ENZYME BIOTECHNOLOGY (3 credits)

First semester (2025)

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 5, 6, 7, 13	Alisa
2. Improvement of Enzyme Production	3	Aug 14, 19, 20	Alisa
3. Enzyme Engineering	3	Aug 21, 26, 27	Alisa
4.1 Upstream processing and fermentation process control			
4.2 Downstream processing			
4.3 Economic for enzyme production	10	Aug 28 Sep 2, 3, 4, 9, 10, 11, 16, 17, 18	Saowarath
Mid-term examination: 22 - 26 Sep 2025; 25-09-2025 08:30 - 11:30			
5. Enzyme Safe Handling and Shelf-life	1	Sep 30	Nuchanat
6. Safety Assessment in Enzyme Biotechnology	2	Oct 1, 2	Nuchanat
7. Legislative Aspect of Enzyme	2	Oct 7, 8	Nuchanat
8. Enzyme Immobilization	5	Oct 9, 14, 15, 16, 21	Manchumas
9. Analytical Application of Enzyme	5	Oct 22, 28, 29, 30 Nov 4	Manchumas
10. Industrial Application of Enzyme	6	Nov 5, 6, 11, 12, 13, 18	Rath
Final-term examination: 24 Nov - 8 Dec 2025; 28-11-2025 08:30 - 11:30			