

Schedule for 2310502  
 ENZYME BIOTECHNOLOGY (3 credits)  
 First semester (2020)

**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 11, 18, 19 (online)	Alisa
2. Improvement of Enzyme Production	3	Aug20, 25, 26, 27 (online)	Alisa
3. Enzyme Engineering	3	Sept 1, 2, 3 (online)	Alisa
4.1 Upstream processing and fermentation process control 4.2 Downstream processing 4.3 Economic for enzyme production	10	Sep 8, 9, 10, 15, 16, 17, 22, 23, 24, 29	Saowarath
<b>Mid-term examination:</b>			
5. Enzyme Safe Handling and Shelf-life	1	Oct 14	Nuchanat
6. Safety Assessment in Enzyme Biotechnology	2	Oct 15, 20	Nuchanat
7. Legislative Aspect of Enzyme	2	Oct 21, 22	Nuchanat
8. Enzyme Immobilization	5	Oct 27, 28, 29 Nov 3, 4	Manchumas
9. Analytical Application of Enzyme	5	Nov 5, 10, 11, 12, 17	Manchumas
10. Industrial Application of Enzyme	6	Nov 18, 19, 24, 25, 26 นัดเพิ่ม 1 ชม Online	Rath
<b>Final examination:</b>			