

Schedule for 2310502
 ENZYME BIOTECHNOLOGY (3 credits)
 First semester (2019)

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 13, 14, 20, 21	Alisa
2. Improvement of Enzyme Production	3	Aug 22, 27, 28	Alisa
3. Enzyme Engineering	3	Aug 29 Sept 3, 4	Alisa
4.1 Upstream processing and fermentation process control 4.2 Downstream processing 4.3 Economic for enzyme production	10	Sept 5, 10, 11, 12, 17, 18, 19, 24, 25, 26	Saowarath
Mid-term examination:			
5. Enzyme Safe Handling and Shelf-life	1	Oct 15	Nuchanat
6. Safety Assessment in Enzyme Biotechnology	2	Oct 16, 17	Nuchanat
7. Legislative Aspect of Enzyme	2	Oct 22, นัดเพิ่ม 1 ชม.	Nuchanat
8. Enzyme Immobilization	5	Oct 24, 29, 30, 31 Nov 5	Manchumas
9. Analytical Application of Enzyme	5	Nov 6, 7, 12, 13, 14	Manchumas
10. Industrial Application of Enzyme	6	Nov 19, 20, 21, 26, 27, 28	Rath
Final examination:			