

Schedule for 2310502			
ENZYME BIOTECHNOLOGY (3 credits)			
First semester (2021)			
Time: TU, We, TH 08.00 - 09.00 Room: 503-5C110		Co-ordinator: Alisa	
Microsoft Teams: 2310502 Enzyme Biotechnology.Group			
MT code: uoohiw7			
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 10, 11, 12, 17	Alisa
2. Improvement of Enzyme Production	3	Aug18, 19, 24	Alisa
3. Enzyme Engineering	3	Aug 25, 26, 31	Alisa
4.1 Upstream processing and fermentation process control 4.2 Downstream processing 4.3 Economic for enzyme production	10	Sep 1, 2, 7, 8, 9, 14, 15, 16, 21, 22	Saowarath
<b>Mid-term examination: สัปดาห์ 27 Sep - 1 Oct 2021 [30-Sep-2021, 08:30 - 11:30]</b>			
5. Enzyme Safe Handling and Shelf-life	1	Oct 5	Nuchanat
6. Safety Assessment in Enzyme Biotechnology	2	Oct 6, 7	Nuchanat
7. Legislative Aspect of Enzyme	2	Oct 12, 13	Nuchanat
8. Enzyme Immobilization	5	Oct 14, 19, 20, 21, 26	Manchumas
9. Analytical Application of Enzyme	5	Oct 27, 28 Nov 2, 3, 4	Manchumas
10. Industrial Application of Enzyme	6	Nov 9, 10, 11, 16, 17, 18	Rath
<b>Final examination: สัปดาห์ 29 Nov - 14 Dec 2021 [03-Dec-2021, 08:30 - 11:30]</b>			