

Online

Schedule for 2310505
BIOCHEM TRANS ENV (3 credits)
Second semester (2021)

ไม่มีนิตินิติลงทะเบียน

Time: WE 09.00 - 10.00, TH 08.00 - 10.00

Room: We 503-SCI10; TH 519 เรียน online

Co-ordinator: Alisa

Topic	Hrs.	Date	Instructor
Introduction	1	Jan 12	Alisa
1. Sources of pollutants and toxic compounds			
2. Fate and transport of pollutants to environment and targets	3	Jan 13, 19	Alisa
3. Impact of toxic compounds to environmental targets & human resp	3	Jan 20, 26	Alisa
4. Metabolic pathways and pathway diversity for detoxification in micr	5	Jan 27, Feb 2, 3	Alisa
5. Cometabolism of various substrates & Enzyme diversity and their environmental significance			Alisa
6. Biodegradation of environmental contaminants	9	Feb 9, 10, 17, 23, 24, March	Alisa
Mid-term examination: สอบ 7 - 11 Mar 2022			
7. Bioremediation: Types & Factors affecting bioremediation	6	March 16, 17, 23, 24	Alisa
8. Bioremediation implementation	3	March 30, 31	Alisa
9. Phytoremediation	6	April 7, 20, 21, 27	Saowarath
10. Genetically-designed microorganisms for bioremediation: basis and	4	April 28, May 5	Saowarath
Final examination: สอบ 9 - 24 May 2022			