

Schedule for 2310221						
LABORATORY PRACTICE AND REPORT WRITING (1 credits)						
Second semester (2020)						
Time: TU 09.00 - 11.00						
Room: online				Co-ordinator: Thanyada		
Topic	Lect	Lab	Date	1st Instructor	2nd Instructor	3rd Instructor
Laboratory safety and chemical guidelines - Chemical and biological safety guideline - Chemical storage - Waste characterization and management	2		19Jan	Saowarath		
Workshop on Safety Guidelines, MSDS, and labels		2	26Jan	Saowarath	Tanakarn	
Workshop on Waste characterization		2	2Feb	Saowarath	Tanakarn	
Water quality for laboratories	1		9Feb	Saowarath		
Workshop on Water purification system		1	9Feb	Thara (504)	Khamthorn (603)	
Basic concepts in scientific methods - Questions, hypothesis, experimental designs, discussions and conclusions	2		16Feb	Thanyada		
Basic calculation for general laboratory - Units of measurement and change of units - Calculation for solution preparation - Common acids and bases	2		23Feb	Thanyada		
- Workshop on calculation		2	2Mar	Thanyada		
Mid-term examination:						
Basic procedures : measurement of weights and volumes - Safe and appropriate use - Calibration, cleaning, and care - Precision, accuracy, sensitivity, and reliability	4		16,23Mar	Tanakarn		
Data treatment						
- Uncertainty in measurement, significant figures	2		30Mar	Alisa		
- Homework on data treatment	2		20Apr	Alisa		
Report Writing						
- Format of full report writing - How to write a good report	2		27Apr	Alisa		
- Workshop on writing experimental result		2	นัดเพิ่ม 2 ชม.	Alisa	Tanakarn	
Final examination:						