

Schedule for 2310221

LABORATORY PRACTICE AND REPORT WRITING (1 credits)

Second semester (2019)

Time: TU 09.00 - 11.00

Room: 521 SCI10

Co-ordinator: Thanyada

Topic	Lect	Lab	Date	1st Instructor	2nd Instructor
Laboratory safety and chemical guidelines - Chemical and biological safety guideline - Chemical storage - Waste characterization and management	2		7-ม.ค.	Saowarath	
Workshop on Safety Guidelines, MSDS, and labels		2	21-ม.ค.	Saowarath	Tanakarn
Workshop on Waste characterization		2	28-ม.ค.	Saowarath	Tanakarn
Water quality for laboratories	1		4-ก.พ.	Saowarath	
Workshop on Water purification system		1	4-ก.พ.	Thara	Khamthorn
Basic concepts in scientific methods - Questions, hypothesis, experimental designs, discussions and conclusions	2		11-ก.พ.	Thanyada	
Basic calculation for general laboratory - Units of measurement and change of units - Calculation for solution preparation - Common acids and bases	2		18-ก.พ.	Thanyada	
- Workshop on calculation		2	25-ก.พ.	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		10,17-มี.ค.	Tanakarn	
Data treatment					
- Uncertainty in measurement, significant figures	2		24-มี.ค.	Alisa	
- Homework on data treatment	2		31-มี.ค.	Alisa	
Report Writing					
- Format of full report writing - How to write a good report	2		7-เม.ย.	Alisa	

- Workshop on writing experimental result		2	21-เม.ย.	Alisa	Tanakarn
Final examination:					

