

SCCH 159/169/189 General Chemistry Laboratory

Friday: 1.30-4.20 PM **Lab Talk:** VDO will be posted in google classroom .

Lab rooms: SC4-304, SC4-400 and SC4-404

Course Coordinator: Assoc. Prof. Dr. Supa Wirasate (supa.wir@mahidol.ac.th)

Instructors:
Asst. Prof. Dr. Manthana Jariyaboon (SC4-400)
Asst. Prof. Dr. Chayanisa Chitichotpanya (SC4-404)
Assoc. Prof. Dr. Supa Wirasate (SC4-304)

Lab Supporting Staff: Miss Prapassorn Pitthayanurak

Teaching and learning: Onsite (class materials will be posted in google classroom)

Google classroom class code:
SCCH 159 (ENNM): lquxpms
SCCH 169 (EGBI EGCG EGII): ydozaxq
SCCH 189 (SCBM SCBE SCME SCIN): bfqbxvn

All students should join google classroom by 15 Aug 2022. Please use MAHIDOL.EDU account only. Class materials (lab manual, lab talk and lab demonstration VDOs) will be posted in the google classroom.

Lab Schedule

Week	Date	Topic	Note
1	12 Aug. 2022	Holiday (No class)	-
2	19 Aug. 2022	Orientation and Lab Safety, Check glassware	Meet at <u>L2-201</u> at <u>1.30 pm</u>
3	26 Aug. 2022	Stoichiometry and Precision	Class materials will be posted on 24 Aug. at 1.30 PM.

4	2 Sep. 2022	Rate of reaction between iodine and acetone	Class materials will be posted on 31 Aug. at 1.30 PM.
5	9 Sep. 2022	Titration : 1. Standardization of NaOH with potassium hydrogenphthalate as a primary standard 2. Determination of the acetic acid content in vinegar	Class materials will be posted on 7 Sep. at 1.30 PM.
6	16 Sep. 2022	-Quiz I -Practice for Practical Exam I	Meet at L2-201 at 1.30 pm
7	23 Sep. 2022	Practical Exam I	-
8	30 Sep. 2022	Enthalpy of reaction	Class materials will be posted on 28 Sep. at 1.30 PM.
9	7 Oct. 2022	No Lab (Midterm exam)	
10	14 Oct. 2022	No Lab (Commencement Day)	
11	21 Oct. 2022	Miscibility and Separation	Class materials will be posted on 19 Oct. at 1.30 PM.
12	28 Oct. 2022	No lab (Mahidol Vichakarn)	
13	4 Nov. 2022	Recrystallization of Aspirin	Class materials will be posted on 2 Nov. at 1.30 PM.
14	11 Nov. 2022	Thin-layer Chromatography of Analgesic drugs	Class materials will be posted on 9 Nov. at 1.30 PM.
15	18 Nov. 2022	-Quiz II -Practice for Practical Exam II	Meet at L2-201 at 1.30 pm
16	25 Nov. 2022	Practical Exam II	-
17	2 Dec. 2022	Check and Return glassware	-

*Schedule may be subjected to change depending on the changing circumstances of COVID-19.

Grading:	Lab Report	40 %
	Practical Exam	30 %
	Attendance	5 %
	PPE	5 %
	Quiz.....	20 %
	<u>Total</u>	<u>100 %</u>

*Score proportion may be subjected to change depending on the changing circumstances of COVID-19.

Measurement and evaluation

Evaluation of this course is performed according to Mahidol University regulations and Faculty of Science announcement related to bachelor's degree education. The following grade symbols, A, B+, B, C+, C, D+, D, and F, with criteria are given in the below Table:

Score (percentage)	Symbols
75-100	A
70-74	B+
65-69	B
60-64	C+
55-59	C
50-54	D+
45-49	D
0-44	F

To pass this course, student must earn a grade of at least D.

Lab Rules:

1. At least **80% attendance** is required for this course.
2. Student is required to **wear mask at all times**.
3. No **drinking, eating** and **playing** in the lab.
4. **Lab coat, goggle** and **proper shoes** are required all the time in the lab.
5. Use chemicals as specified in the lab manual only.
6. **Copy of laboratory report will get "0" point. Do not copy your friend's lab report.**