

SCCH 189 General Chemistry Laboratory (1/2025)

SCBM/SCIN/SCME

Friday: 1.30 - 4.20 p.m.

Lab Talk: VDO will be uploaded to google classroom.

Lab room: SC4-400 and SC4-404

Course Coordinator: Asst. Prof. Dr. Manthana Jariyaboon (manthana.jar@mahidol.ac.th)

Instructors: Asst. Prof. Dr. Chayanisa Chitichotpanya (chayanisa.chi@mahidol.ac.th) - SC4-404

Asst. Prof. Dr. Soraya Pornsuwan (soraya.por@mahidol.ac.th) – SC4-400

Asst. Prof. Dr. Manthana Jariyaboon - SC4-400

Lab Supporting Staff: Mrs. Chuleekorn Trakankit/Mr. Saral Yimmongkol

Teaching and Learning: Onsite

Google Classroom Class code: [fyl4j5ka](#)

All students should join google classroom by [8th Aug 2025](#). Please use [MAHIDOL.EDU account](#) only.

Class materials, which are lab manual, lab talk, lab demonstration VDOs, lab report, will be uploaded to google classroom. Lab report (print out version) will also be given in the lab room.

Lab Schedule:

Wk	Date	Topic	Note
1	8 Aug 2025	- No class - Students are required to enroll and complete MU LabPass (https://mux.mahidol.ac.th/).	
2	15 Aug 2025	- Orientation and lab safety - Check glassware - MU LabPass certificate (electronic version) must be shown.	Meet at SC1-152, 1.30 p.m.
3	22 Aug 2025	Stoichiometry and precision	Class materials will be uploaded on 18 Aug, 1.30 p.m.
4	29 Aug 2025	Rate of reaction between iodine and acetone	Class materials will be uploaded on 25 Aug, 1.30 p.m.
5	5 Sep 2025	No class	
6	12 Sep 2025	Titration: A. Standardization of NaOH with potassium hydrogenphthalate as a primary standard B. Determination of the acetic acid content in vinegar	Class materials will be uploaded on 8 Sep, 1.30 p.m.

Wk	Date	Topic	Note
7	19 Sep 2025	- Quiz I (lab safety, stoichiometry and precision, rate of reaction between iodine and acetone, and titration) - Mock Practical Session for Practical Exam I	Meet at SC1-152, 1.30 p.m.
8	26 Sep 2025	Practical exam I (Titration)	-
9	3 Oct 2025	No class (Midterm exam period)	No midterm exam
10	10 Oct 2025	No class (Mahidol University Graduation's Ceremony)	
11	17 Oct 2025	Enthalpy	Class materials will be uploaded on 13 Oct, at 1.30 p.m.
12	24 Oct 2025	Miscibility and separation	Class materials will be uploaded on 20 Oct, at 1.30 p.m.
13	31 Oct 2025	Recrystallization of aspirin	Class materials will be uploaded on 27 Oct, at 1.30 p.m.
14	7 Nov 2025	Thin-layer chromatography of analgesic drugs and vegetables	Class materials will be uploaded on 3 Nov, at 1.30 p.m.
15	14 Nov 2025	- Quiz II (enthalpy, miscibility and separation, recrystallization of aspirin, and thin-layer chromatography of analgesic drugs and vegetables) - Mock Practical Session for Practical Exam II	Meet at SC1-152, at 1.30 p.m.
16	21 Nov 2025	Practical exam II (Thin-layer chromatography of analgesic drugs and vegetables)	-
17	28 Nov 2025	Check and return glassware	-