

SCCH 189 Chemistry Laboratory (1/2026)

SCBM/SCIN/SCME

Friday: 1.30 - 4.20 p.m.

Lab Talk: VDO will be uploaded to google classroom.

Lab room: SC4-300

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

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

Asst. Prof. Dr. Manthana Jariyaboon

Lab Supporting Staff: Mrs. Chuleekorn Trakankit

Teaching and Learning: Onsite

Google Classroom Class code: [6ijxhojh](#)

All students should join google classroom by [7th Aug 2026](#). Please use [MAHIDOL.AC.TH account](#) only.

Class materials, including the lab manual, lab talks, lab demonstration VDOs and lab reports will be uploaded to google classroom. Printed copies of the lab reports will also be provided in the lab.

Lab Schedule:

Wk	Date	Topic	Note
1	7 Aug 2026	- No class - Students are required to enroll and complete MU LabPass (https://mux.mahidol.ac.th/).	
2	14 Aug 2026	- Orientation and lab safety - Check glassware - MU LabPass certificate (electronic version) must be shown.	Meet at SC1-152, 1.30 p.m.
3	21 Aug 2026	Stoichiometry and precision	Class materials will be uploaded on 17 Aug, 1.30 p.m.
4	28 Aug 2026	Rate of reaction between iodine and acetone	Class materials will be uploaded on 24 Aug, 1.30 p.m.
5	4 Sep 2026	No class	
6	11 Sep 2026	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 7 Sep, 1.30 p.m.

Wk	Date	Topic	Note
7	18 Sep 2026	- 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	25 Sep 2026	Practical exam I (Titration)	-
9	2 Oct 2026	No class (Midterm exam period)	
10	9 Oct 2026	Enthalpy	Class materials will be uploaded on 5 Oct, 1.30 p.m.
11	16 Oct 2026	Miscibility and separation	Class materials will be uploaded on 12 Oct, 1.30 p.m.
12	23 Oct 2026	No class	
13	30 Oct 2026	Recrystallization of aspirin	Class materials will be uploaded on 26 Oct, 1.30 p.m.
14	6 Nov 2026	Thin-layer chromatography of analgesic drugs and vegetables	Class materials will be uploaded on 2 Nov, 1.30 p.m.
15	13 Nov 2026	- 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, 1.30 p.m.
16	20 Nov 2026	Practical exam II (Thin-layer chromatography of analgesic drugs and vegetables)	-
17	27 Nov 2026	Check and return glassware	-