

SCCH 189 General Chemistry Laboratory (1/2023)

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. Soraya Pornsuwan (SC4-400)

Asst. Prof. Dr. Chayanisa Chitichotpanya (SC4-404)

Lab Supporting Staff: Mrs. Chuleekorn Trakankit

Teaching and Learning: Onsite

Google Classroom Class code: [pd5wqm2](#)

All students should join google classroom by **11 Aug 2023**. 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 | 11 Aug 2023 | No class | - |
| 2 | 18 Aug 2023 | - Orientation and lab safety - Check glassware | Meet at SC1-152, at 1.30 P.M. |
| 3 | 25 Aug 2023 | Stoichiometry and precision | Class materials will be uploaded on 23 Aug, at 1.30 P.M. |
| 4 | 1 Sep 2023 | Rate of reaction between iodine and acetone | Class materials will be uploaded on 30 Aug, at 1.30 P.M. |
| 5 | 8 Sep 2023 | 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 6 Sep, at 1.30 P.M. |
| 6 | 15 Sep 2023 | - Quiz I - Practice for practical exam I | Meet at SC1-152, at 1.30 P.M. |
| 7 | 22 Sep 2023 | Practical exam I | - |
| 8 | 29 Sep 2023 | Enthalpy of reaction | Class materials will be uploaded on 27 Sep, at 1.30 P.M. |
| 9 | 6 Oct 2023 | No class (Midterm exam period) | No midterm exam |

| Wk | Date | Topic | Note |
|----|-------------|---|--|
| 10 | 13 Oct 2023 | No class (Public holiday) | |
| 11 | 20 Oct 2023 | Miscibility and separation | Class materials will be uploaded on 18 Oct, at 1.30 P.M. |
| 12 | 27 Oct 2023 | Recrystallization of aspirin | Class materials will be uploaded on 25 Oct, at 1.30 P.M. |
| 13 | 3 Nov 2023 | No class | |
| 14 | 10 Nov 2023 | Thin-layer chromatography of analgesic drugs | Class materials will be uploaded on 8 Nov, at 1.30 P.M. |
| 15 | 17 Nov 2023 | - Quiz II - Practice for practical exam II | Meet at SC1-152, at 1.30 P.M. |
| 16 | 24 Nov 2023 | Practical exam II | - |
| 17 | 1 Dec 2023 | Check and return glassware | - |