

SCCH 159/169/189 Chemistry Laboratory (1/2021)

Friday: 1.30 - 4.20 PM

Lab room: SC4-400, SC4-404 and SC4-300

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

**Instructors:** Asst. Prof. Dr. Manthana Jariyaboon (manthana.jar@mahidol.edu)  
Asst. Prof. Dr. Chayanisa Chitichotpanya (chayanisa.chi@mahidol.edu)  
Assoc. Prof. Dr. Supa Wirasate (supa.wir@mahidol.edu)  
Assoc. Prof. Dr. Siwaporn Meejoo Smith (siwaporn.smi@mahidol.edu)

**Lab Supporting Staff:** Miss Prapassorn Pitthayanurak

Class code for google classroom of SCCH 159 (EN) /169 (EG) /189 (SC) : [owqhb7u](#)

All students should join google classroom by 13th Aug 2021. Please use **MAHIDOL.EDU** account only.  
All announcements will be made via google classroom.

Lab schedule

Date	Topic	Tools/Communication	Note
Online			
20 Aug	Orientation & Lab Safety	Live at 1.30 – 4.20 PM	Tool for live will be announced in google classroom
27 Aug	Stoichiometry and precision	1. VDOs 2. Live Question & Answer session at 3.30 – 4.20 PM	1. VDOs and related materials will be uploaded in google classroom two days in advance (every Wednesday at 1.30 PM). 2. Tool for live will be announced in google classroom.
3 Sep	Rate of reaction between iodine and acetone	1. VDOs 2. Live Question & Answer session at 3.30 – 4.20 PM	
10 Sep	Recrystallization of aspirin	1. VDOs 2. Live Question & Answer session at 3.30 – 4.20 PM	
17 Sep	Thermogravimetric analysis of biomass solid fuel	1. VDOs 2. Live Question & Answer session at 3.30 – 4.20 PM	
24 Sep	No class (Mahidol Day)		
1 Oct	Quiz	Online quiz via google classroom	

4-8 Oct	No class (Mid-term exam week)	
Date	Topic	Note
<b>On-site</b>		
15 Oct	Enthalpy of reaction	Students are expected to study basic knowledge and related issues from VDOs before entering the laboratory. VDOs and related materials will be uploaded in google classroom two days in advance (every Wednesday at 1.30 PM).
22 Oct	No class (Compensatory holiday in substitution of Chulalongkorn Day)	
29 Oct	Titration technique: A. Standardization of NaOH with potassium hydrogenphthalate as a primary standard B. Determination of the acetic acid content in vinegar	Students are expected to study basic knowledge and related issues from VDOs before entering the laboratory. VDOs and related materials will be uploaded in google classroom two days in advance (every Wednesday at 1.30 PM).
5 Nov	No class (Mahidol Vichakarn)	
12 Nov	Thin-layer chromatography of analgesic drugs and vegetables	Students are expected to study basic knowledge and related issues from VDOs before entering the laboratory. VDOs and related materials will be uploaded in google classroom two days in advance (every Wednesday at 1.30 PM).
19 Nov	Quiz & Practice before Practical Exam	
26 Nov	Practical exam Check & Return glassware	

\*\* Schedule will remain subject to change dependent on the changing circumstances of COVID-19.