

LIFS 2720 - Introductory Biochemical Laboratory

Practical Outlines and The Teaching Team (Fall 2022-2023)

Course Coordinator & Instructor	Dr. Philip Lam	ylam@ust.hk	Ext 8714	Room 5515
Technicians	Mr. Kelvin SOU	bckasou@ust.hk		
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Day & Time:	Thursday (13:00-16:50)			
Venue:	Room4160 (Lift 33)			

Week/ Date	Lectures	Technician in-charge
Practical 00 22 Sep 2022	INTRODUCTION TO LIFS 2720	-
Practical 01 29 Sep 2022	BUFFERS, TITRATIONS AND pH MEASUREMENT (Please bring laptop [one per group] for data analysis)	JC
Practical 02 6 Oct 2022	CHROMATOGRAPHY I AMINO ACID SEPARATION AND IDENTIFICATION	KS
Practical 03 13 Oct 2022	CHROMATOGRAPHY II GEL FILTRATION COLUMN CHROMATOGRAPHY (Please bring laptop [one per group] for data analysis)	MY
Practical 04 20 Oct 2022	ELECTROPHORESIS PROTEIN GEL ELECTROPHORESIS	KS
Practical 05 27 Oct 2022	SPECTROPHOTOMETRY ENZYME KINETICS: LACTATE DEHYDROGENASE (Please bring laptop [one per group] for data analysis)	MY
Practical 06 3 Nov 2022	ORGANELLE ISOLATION BY CENTRIFUGATION AND MARKER ENZYME ASSAY	JC
Practical 07 10 Nov 2022	METABOLIC SYNDROME (PART 1) GLUCOSE	HYL
Practical 08 17 Nov 2022	METABOLIC SYNDROME (PART 2) LIPID	HYL

Time Schedule for hand-in worksheet and report:

Practical	Worksheet	Report
1	6 Oct 2022 (Thu)	-
2	13 Oct 2022 (Thu)	-
3	20 Oct 2022 (Thu)	27 Oct 2022 (Thu)
4	27 Oct 2022 (Thu)	3 Nov 2022 (Thu)
5	3 Nov 2022 (Thu)	-
6	10 Nov 2022 (Thu)	17 Nov 2022 (Thu)
7	17 Nov 2022 (Thu)	24 Nov 2022 (Thu)
8	24 Nov 2022 (Thu)	1 Dec 2022 (Thu)

Note:

1. For students who cannot attend the practical(s) and hand-in worksheet/ report, you need to get approval/ inform Dr. Philip LAM before the course/ practical(s). Special arrangements will be made and the students will be informed in due course.
2. The deadline for submitting the worksheet/ report is at 13:30 on the above-indicated date of each practical at the teaching lab (Room 4160).
3. Any worksheet/ report submitted later than 13:30, but on or before 16:50 on the indicated date **will be marked down by 30%**.
4. Please pay attention to the **BOLD** dates in the above table, on those **BOLD** dates, please hand in your worksheet/ report to **the collection mailbox outside LIFS general office**. There will be two collection times (13:30 and 16:50) and **the above point no.2 still be applied to this situation**.
5. Any worksheet/ report handed in later than 16:50 of the deadline date will still be marked by TA, however, your mark of that worksheet/ report will be **ZERO**.
6. We will return the marked report/ worksheet to you one week after you handed in (the above-indicated deadline), and if there is any question about the marking, you have one week to contact the in-charged TA of that practical. And all marks will be finalized after that time (a week after distribution), and TA has the right to reject any mark correction after that time.
7. If you have any special reason for early/ late submission, please contact LIFS 2720 instructor in advance.