

MED YSP 2024 Module 1: Human Physiology

Monday, July 8, 2024	
Time	Activity
Blood and Immune System	
8:00 - 8:45	Check-in David Naylor lobby of Medical Sciences Building (aka Stone Lobby)
8:15 - 8:45	Rise & Shine Rama (SEG) & Javid
9:00 - 9:15	Meet in Lecture Room MSB 3154
	Welcome and Land Acknowledgment <i>Dr. Christine Wong</i>
	Assistant Professor, Teaching Stream, Department of Health and Society
	Land Acknowledgment <i>Sonya Spitzig</i>
	How to Maximize Your Experience <i>Dr. Azmiri Sultana, Lab Manager</i>
	Intro to Physiology <i>Dr. Christine Wong</i>
9:15 - 10:10	Meet Instructors & Transfer to lab rooms <i>Dr. Azmiri Sultana, Lab Manager</i>
10:10 - 10:20	In your lab room
10:20 - 10:40	Meet and Greet (Attendance, Ice breakers)
10:40 - 11:00	Lab Safety (Fire, Medical, General Lab Safety, + lab coats)
11:00 - 11:55	Lab #1: Blood typing
11:55 - 12:00	Lab cleanup + Checklist

12 to 1 PM Lunch

1 - 2:10	Meet in Lecture Room MSB 3154
	Cardiovascular System <i>Dr. Joseph Fisher</i> Department of Anesthesiology, University Health Network
2:10 - 2:20	Transfer to lab rooms
2:20 - 4:30	Meet in your lab room
	Lab #2: Blood Pressure
4:30 - 4:35	Lab cleanup + Checklist
4:35 - 5:00	Lab #3: Renal Physiology: Ur-ine trouble! (Assign treatments)

Reminders for Students	
Wear closed toe shoes and long pants because you are performing wet labs.	
For troubleshooting WiFi, visit bit.ly/ysp-wifi	
Sign new and updated Anatomy Form	

Tuesday, July 9, 2024	
Time	Activity
8:00 - 8:45	Attendance in MSB, David Naylor lobby of Medical Sciences Building (aka Stone Lobby)
8:15 - 8:45	Rise & Shine Josephine & Sonya
8:45 AM start time sharp!	
Erika & Tam, Ivy & Landon: Lead the morning activity of administering solutions.	
8:45 - 9:00	Meet in lecture room 3154
9 - 9:30	Lab #3: Renal Physiology: Ur-ine trouble!
	Part A: Start Drinking (9 AM sharp) Community Building (Erika & Tam)
	Pre-Lab (done by Erika)
	Transfer to individual lab rooms
9:30 - 9:35	Part A: Collection #1
9:35 - 11:45	Part B: Kidney Anatomy
	Part A: Collection #2
	Part C: Kidney Function & Transport
	Part A: Collection #3
	Buffer Time
	Part A: Collection #4
11:45 - 12:00	Introduce Game Show Led by each Team

12 to 1 PM Lunch

1 - 2 PM	Meet in Lecture Room MSB 3154
	A Brief (but detailed) Look at the Kidney <i>Ali Ibrahim, MD</i>
2 - 2:10 PM	Q&A
2:10 - 2:15	Move to lab rooms in MSB
2:15 - 2:25	Meet in your lab room
	Lab #3: Renal Physiology: Ur-ine trouble! Post-lab, results analysis
2:25 - 2:45	Lab #5: Practice Pipetting
2:45 - 3:10	Lab #6: Microscopy Workshop
3:10 - 4:40	Lab #4: Urinalysis
4:40 - 4:45	Lab cleanup + Checklist
4:45 - 5:00	Buffer Time

Wednesday, July 10, 2024	
Time	Activity
8:00 - 8:45	Attendance in Lecture room
8:15 - 9:00	Rise & Shine Artemisa & Erika
9:00 - 10:00	Meet in Lecture Room MSB 3153
	Cystic Fibrosis-Past Present and Future <i>Dr. Isaac Martin, Sick Kids</i>
10:00 - 10:10	Q&A
10:10 - 10:20	Transfer to individual lab rooms and prep for rotations.
10:20 - 10:30	Anatomy Museum Rules + NO PHONE RULE
Rotations led by Instructors (see Wednesday tab)	
10:30 - 11:00	In your lab room Lab #7: Lung Anatomy + Anatomy Museum Visit
11:00 - 11:30	in room 2287 and 2184 Lab #8: CO2/O2 gases (3 machines in each room)
11:30 - 12:00	In your lab room Lab #9B: Build a Lung
12:00 - 12:10	Lab cleanup + Checklist

12:10 - 1:10 Lunch

1:05 - 1:10	Meet in your lab room
1:10 - 1:35	Lab #9: Lung Physiology, Part A: What are lung volumes
1:35 - 3:10	Lab #9: Spirometry Tests, Part B (here students use Spirometer)
3:05 - 3:10	Lab cleanup + Checklist
3:10 - 3:20	Buffer
3:20 - 4:15	Workshop #1: Naomi/Ricco case studies
4:15 - 4:30	Tour of MSB room locations for Thursday rotations (critical) Led by Each Team
4:30 - 4:40	Move to Lecture room 3154
4:35 - 5:00	Game Show Trial run
	Led by Rama Student Experience Guru

Med YSP Photos
medysp.pixieset.com
Password: Medysp2024
Deadline to download photos
Fri. Aug. 16, 2024

Thursday, July 11, 2024	
Time	Activity
8:00 - 8:45	Attendance in Lecture room
8:15 - 9:00	Rise & Shine Landon & Raunak
	Reminder 50 min lunch
9:00 - 10:00	Meet in Lecture Room MSB 3154
	Neurophysiology: How We Learn and Remember (Special senses) <i>Chirag Vaswani, PhD candidate, Dept of Physiology</i>
10:00 - 10:05	Move to lab rooms in MSB
Rotations see Thu-2024 tab	Lab #10: Autonomic Nervous System: Can you beat the polygraph?
	Lab #11: Eye Anatomy + Sheep Eye Dissection
	Lab #12: Vision Lab (Dark and light room)
	Lab #13: Thriller Dance Move (Ulnar nerve / Tetany in muscle)
	Lab #14: Reaction time (time permitting)
	Lab #17: Hearing

12 to 1 PM Lunch

1:00 - 1:05	Meet in your lab room
1:05 - 1:10	Check-in with your Instructors
Rotations see Thu-2024 tab	Lab #10: Autonomic Nervous System: Can you beat the polygraph?
	Lab #11: Eye Anatomy + Sheep Eye Dissection
	Lab #12: Vision Lab (Dark and light room)
	Lab #13: Thriller Dance Move (Ulnar nerve / Tetany in muscle)
	Lab #14: Reaction time (time permitting)
	Lab #15: Hearing

Friday, July 12, 2024	
Time	Activity
8:00 - 8:45	Attendance in Lecture room
8:15 - 9:00	Rise & Shine Eric & Sarah
9:00 - 10:00	Meet in Lecture Room MSB 3154
	Diabetes and Body Weight <i>Dr. Melanie Markovic, Department of Physiology</i>
10:00 - 10:05	Move to lab rooms in MSB
10:05 - 11:05	Meet in your lab room Lab #16: Physical fitness
11:05 - 11:15	Rotation Determination and Move to Respective Rooms
Attend one of the following sessions as determined by you and your Instructor	
11:15 - 12:00	University Admissions, MSB 3154 Josh Craig
	or
11:15 - 12:00	Panel Discussions, MSB 2172 Led by Instructors
12 to 1 PM Lunch	

1:00 - 1:10	Meet in your lab room
1:10 - 1:40	Surveys (Lab rooms) https://bit.ly/ysp24-physiology
1:40 - 1:50	Wrap up (pick up belongings and certificates)
1:50 - 3:30	1 instructor from each team helps to do following a) setup for Monday, lab coats, manuals, schedule b) cleanup/setup for next module.
1:50 - 1:55	Transfer to lecture room MSB 3153
1:55 - 3:20	Career Perspectives Panel Stephanie Buryk
1:55 - 2:20	Health Researcher Engineer Founder of SPARKED
2:20 - 2:25	Switch over
2:25 - 2:50	Christina Ly Medical Illustrator
2:50 - 2:55	Switch over
2:55 - 3:20	Santiago Luna PACE Cardiology
3:20 - 3:30	Buffer and Break
3:30 - 3:40	Physiology Phun Crossword Competition Led by Landon See + ALL Instructors
3:40 - 4:40	Land Acknowledgment Sarah Kay Eves
	The Ultimate Spectacular Physiology Competition Rama (Student Experience Guru)
	Closing Remarks
4:40 - 4:45	Dr. Christine Wong & Dr. Azmiri Sultana
4:45 - 5:15	Reception & Refreshments David Naylor lobby of Medical Sciences Building (aka Stone Lobby)