

Module 1: Human Physiology - Discover How the Body Works

| Monday, July 10, 2023 Blood and Immune System | | Tuesday, July 11, 2023 Nephrology | | Wednesday, July 12, 2023 Lung Physiology | | Thursday, July 13, 2023 Neurophysiology | | Friday, July 14, 2023 Fitness | |
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| Time | Activity | Time | Activity | Time | Activity | Time | Activity | Time | Activity |
| 8:00 - 8:45 | Check-in David Naylor lobby of Medical Sciences Building | 8:00 - 8:45 | Attendance in MSB Stone Lobby | 8:00 - 8:45 | Attendance in MSB Stone Lobby | 8:00 - 8:45 | Attendance in MSB Stone Lobby | 8:00 - 8:45 | Attendance in MSB Stone Lobby |
| 8:45 - 9:00 | Meet in lecture room MSB 3153 | 8:15 - 8:45 | Rise & Shine Will and Isobel | 8:15 - 9:00 | Rise & Shine Emily & Anika | 8:15 - 9:00 | Rise & Shine Erika and Lara | 8:15 - 9:00 | Rise & Shine Rishi & Esther |
| 9:00 - 9:15 | Welcome and Land Acknowledgment <i>Dr. Christine Wong</i> Assistant Professor, Teaching Stream, Department of Health and Society | 8:45 - 9:00 | Meet in lecture room 2170 | 9:00 - 10:00 | Cystic Fibrosis-Past Present and Future <i>Dr. Melinda Solomon, SickKids Hospital Toronto</i> | 9:00 - 10:15 | Neurophysiology: How We Learn and Remember <i>Dr. Nahjin Kee, Professor, Dept. of Physiology</i> | 9:00 - 10:00 | Diabetes and Body Weight <i>Dr. Patricia Brubaker, Professor Emerita, Dept. of Physiology</i> |
| | Land Acknowledgement <i>London See</i> | 9 - 9:30 | Lab #3: Renal Physiology: Ur-ine trouble! Part A: Start Drinking (9 AM sharp) Community Building (Emily & Eva) Pre-Lab (done by Eva) | 10:00 - 10:10 | Q&A | 10:15 - 10:25 | Q&A | 10:00 - 10:05 | Move to lab rooms in MSB |
| | How to Maximize Your Experience <i>Artur Jakubowski, Program Coordinator</i> | 9:30 - 9:35 | Transfer to individual lab rooms | 10:10 - 10:20 | Break and switch to assigned group | 10:25 - 10:35 | Move to lab rooms in MSB | 10:05 - 10:05 | Meet in your lab room |
| 9:15 - 10:10 | Intro to Physiology <i>Dr. Christine Wong</i> | | | 10:20 - 10:30 | Anatomy Museum Rules + NO PHONE RULE | | Rotation 3 Teams: Polygraph 3 Teams: Vision | 10:05 - 11:05 | Lab #16: Physical fitness |
| 10:10 - 10:20 | Meet Instructors & Transfer to you lab rooms <i>Artur Jakubowski</i> | 9:35 - 11:45 | Part A: Collection #1 Part B: Kidney Anatomy Part A: Collection #2 Part C: pH & Buffers Part A: Collection #3 Part D: Kidney Function & Transport Part A: Collection #4 | 10:30 - 11:00 | Rotations led by Instructors (see Wed tab) Lab #7: Lung Anatomy + Anatomy Museum Visit | 10:35 - 12:00 | Lab #10: Autonomic Nervous System: Can you beat the polygraph? | 11:05 - 11:10 | Move to respective rooms |
| 10:20 - 10:40 | In your lab room Meet and Greet (Attendance, Ice breakers) | | | 11:00 - 11:30 | Lab #8: CO2/O2 gases | | Rotation A | Attend one of the following sessions as determined by you and your Instructor | |
| 10:40 - 11:00 | Lab Safety (Fire, Medical, General Lab Safety, + lab coats) | 11:45 - 12:00 | Introduce Game Show Led by each Team | 11:30 - 12:00 | Lab #9B: Build a Lung | | Rotation B | 11:10 - 11:15 | Buffer |
| 11:00 - 11:55 | Lab #1: Blood typing | | | 12:00 - 12:10 | Lab cleanup + Checklist | 10:35 - 11:25 | Lab #12: Vision Lab (Dark and light room) | 11:15 - 12:00 | University Admissions Lydia Harper |
| 11:55 - 12:00 | Lab cleanup + Checklist | | | | | 11:25 - 12:00 | Lab #11: Eye Anatomy + Sheep Eye Dissection | 11:15 12:00 | Panel Discussions MSB 2173 |

| 12 to 1 PM | Lunch | 12 to 1 PM | Lunch | 12:10 - 1:10 | Lunch | 12 to 1 PM | Lunch | 12 to 1 PM | Lunch |
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| 1 - 2:10 | Meet in Lecture Room MSB 3153 Cardiovascular System <i>Dr. Joseph Fisher</i> Department of Anesthesiology, University Health Network | 1 - 2 PM | Meet in Lecture Room MSB 3153 A Brief (but detailed) Look at the Kidney <i>Dr. Tushar Malavade, Nephrologist, UHN</i> | 1:05 - 1:10 | Meet in your lab room | 1:00 - 1:05 | Meet in your lab room | 1:00 - 1:10 | Meet in your lab room | |
| 2:10 - 2:20 | Transfer to lab rooms | 2 - 2:10 PM | Q&A | 1:10 - 1:35 | Lab #9: Lung Physiology, Part A: What are lung volumes | 1:05 - 1:10 | Check-in with your Instructors | 1:10 - 1:40 | Surveys (Lab rooms) | |
| 2:20 - 4:00 | Meet in your lab room Lab #2: Blood Pressure | 2:10 - 2:15 | Move to lab rooms in MSB | 1:35 - 3:10 | Lab 9: Spirometry Tests, Part B (here students use Spirometer) | | Rotation B | 1:40 - 1:50 | Wrap up (pick up belongings and certificates) | |
| 4:00 - 4:05 | Lab cleanup + Checklist | 2:15 - 2:25 | Meet in your lab room Lab #3: Renal Physiology: Ur-ine trouble! Post-lab, results analysis | 3:05 - 3:10 | Lab cleanup + Checklist | 1:10 - 2:35 | Lab #10: Autonomic Nervous System: Can you beat the polygraph? | 1:50 - 1:55 | Transfer to lecture room MSB 3153 | |
| 4:05 - 4:50 | Workshop #1: Case Study Led by Instructors | 2:25 - 2:45 | Lab #5: Practice Pipetting | 3:10 - 3:20 | Buffer | | Rotation A | 1:55 - 3:10 | Career Perspectives Panel | |
| 4:50 - 5:00 | Lab #3: Renal Physiology: Ur-ine trouble! (Assign treatments) | 2:45 - 3:10 | Lab #6: Microscopy Workshop | 3:20 - 3:50 | Workshop #3: Naomi/Ricco case studies | | 1:10 - 2:00 | Lab #12: Vision Lab (Dark and light room) | 1:55 - 2:20 | Career Speakers |
| | | 3:10 - 4:30 | Lab #4: Urinalysis | 3:50 - 4:30 | Tour Part A: MSB room locations for Thursday rotations Tour Part B: UoFT Campus Led by Each Team | 2:00 - 2:35 | Lab #11: Eye Anatomy + Sheep Eye Dissection | 2:20 - 2:25 | | |
| | | 4:25 - 4:30 | Lab cleanup + Checklist | 4:30 - 5:00 | Community Building or Workshop | | 2:35 - 2:45 | Move to Lecture room 3153 | 2:25 - 2:50 | |
| | | 4:30 - 5:00 | Workshop #2: Problem-Based Learning (PBL): Renal Led by Instructors | | | 2:45 - 3:15 | Game Show Trial run Led by Lara (Student Experience Guru) | 3:20 - 3:30 | Buffer and Break | |
| | | | | | | 3:15 - 3:25 | Move to lab rooms | 3:30 - 3:40 | Physiology Phun Crossword Competition | |
| | | | | | | | Rotations | 3:40 - 4:40 | Land Acknowledgment <i>Anika Kisana</i> Ultimate Physiology Olympics Lara (Student Experience Guru) | |
| | | | | | | 3:25 - 4:55 | Lab #13: Thriller Dance Move (Ulnar nerve/Tetany in muscle) Lab #15: Action Potential + EMG Lab #14: Reaction time (time permitting) | 4:40 - 4:45 | Closing Remarks <i>Dr. Christine Wong</i> | |
| | | | | | | 4:55 - 5:00 | Lab cleanup + Checklist | 4:45 - 5:15 | Reception & Refreshments MSB David Naylor Lobby | |

Legend

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| Lecture |
| Labs |
| Cleanup |
| Workshops |
| Community Building |
| Game Show |