

Queen's University
Thursday, May 18th, 2023
WORKSHOP CATALOGUE

CODE	TITLE	DESCRIPTION	AM	PM	PRESENTER(S)
A01	"Are we on the same wavelength? Measuring your brainwaves using EEG"	In this workshop you will learn about how brainwaves are generated, and how we can measure them through electrodes placed on your scalp using a neurotechnology called electroencephalography (EEG). In the hospital, EEG is used to track sleep stages in people with sleep disorders and to diagnose epilepsy. You can also visualize your brainwaves and learn to modulate them to achieve certain brain states - this is called neurofeedback and has shown some efficacy in helping individuals with Attention Deficit Hyperactivity Disorder (ADHD). During the demonstration you will get a chance to monitor your own brain waves and try to modulate them to turn on a lightbulb!	10	10	Susan Boehnke & Adam Eddie
A02	Using eye-tracking to help diagnose neurological disorders	In this workshop, you will learn about what different eye movements can tell us about the brain, how eye-tracking works, and the applications of eye-tracking research. In clinical settings, eye-tracking is being investigated as a way to identify distinct patterns of eye movement behaviour, which may be used as potential biomarkers for psychiatric and neurodegenerative disorders. Following the eye-tracking demonstration, you will have the opportunity to try out an eye-tracking task!	10	10	Blake Noyes
A03	Discover DNA	Deoxyribonucleic acid, or DNA, carries our genetic information. It is our blueprint on how to grow and function, but what does DNA look like in real life? How can we isolate it from cells to study its purpose? How can we determine its concentration and purity? In this hands-on work shop you will be able to find out. Join us in the Biochemistry/Microbiology laboratory, perform your own series of experiments, and experience what studying in a level 2 lab might be like.	12	12	Jenny Thiele, Charlotte Hutchings, Rachael Klinoski & Lubnaa Hossenbaccus
A04	Discover Nursing!!	In this workshop, students will hear about the Queens Nursing Program. In addition, students will participate in a hands on simulation lab and hear from current students about their experience within the nursing program.	36	0	Laurie Gedcke-Kerr & Laura Stephens
A05	Let your fingers do the walking - a journey through the human body.	The best approach to understanding the construction of the human body is to discover first – explain later. Using a cadaver (a real human body) you will explore the body and handle the organs (discover first), and then put them into perspective based on your anatomical knowledge (explain later).	20	20	Les MacKenzie

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A06	Tour of the Queen's CardioPulmonary Unit (QCPU)	Join us for a interactive tour of the laboratories of the Queen's CardioPulmonary Unit (QCPU)! QCPU is a state-of-the-art research centre that focuses on heart, lung, blood and vascular diseases. Meet an international team of diverse scientists, engineers and technicians working together to help better understand cardiovascular and respiratory health. On this tour you will see cutting-edge medical research technology and how experiments are done in a real laboratory.	40	40	Charlie Hindmarch & Brooke Ring
A07	Physiotherapy & Occupational Therapy – We will move you!	This session will discuss the role of occupational therapists (OT) and physiotherapists (PT) within the context of acute care, inpatient rehabilitation, primary care and outpatient clinics. Participants will have the opportunity to learn about how disease and disability can impact everyday activities and how OT/PT can help individuals reach their maximum potential and return to doing what's important to them. We will then practice using mobility devices (wheelchairs, walkers, canes, etc.), adjusting mobility devices to adapt and fit an individual correctly, and look at other equipment available to accommodate unique individual needs	12	12	Amanda Hall & Randy Booth
A08	Racism and Health in Canada	The workshop will allow students to explore the effect that racism has on the health of racialized communities in Canada. The workshop will encourage students to examine their own biases and positionality, while understanding the effects of racism.	20	20	QHS EDIIA Office - Giselle Valarezo
A09	Public Health, Epidemiology, and Decision-Making: Making Health Programs Available to the Public	This workshop will provide an illustration of a public health scenario involving government, economics, ethics and equity, epidemiology, pharmaceutical sector, medicine and other academic areas of expertise highlighting career paths for those interested in public health. Students will have an opportunity to debate different topics with the aim to advise the minister of health on whether to fund different health programs. The workshop will be organized within a role-playing scenario whereby participants will have an opportunity to play different roles in the decision-making process: minister of health, deputy minister of health, epidemiologist, academic and medical knowledge expert, pharmaceutical sector/lobbyists, and community member or patient. In the first part of the workshop, participants will be given an overview of different career roles within public health, especially in relation to decision-making within the government/ministry of health. In the remainder of the time, workshop participants will get into their chosen roles, prepare, engage in discussions, and prepare one paragraph only for the minister of health (just like in the real world) on advice on whether to fund the chosen health programs. The workshop will end with the minister of health making the final recommendation on whether the health program will be funded or not (whether the government will go along with the advisory group's recommendation or not - also a real-world scenario).	0	15	Ana Johnson