York University SDG Course Inventory

SDG 3 – Good Health and Well Being

SDG 3 - Good Health and Well Being envisions a world where health inequalities have been vanquished and everyone has access to safe, affordable and universal health care. Unfortunately, disparity of mortality rates is still extreme across the globe and millions suffer from chronic diseases that are preventable and treatable. Education is vital towards opening access to healthcare knowledge, developing improved healthcare systems, and innovative solutions to global ailments.

York University's SDG Course Mapping reveals a strong offering of health-related courses across 5 faculties on subjects relating to biology, physiology, kinesiology, neuroscience, epidemiology, nursing and health policy. Most of these courses are offered through the Faculty of Health and with the 2024 announcement that York will establish a School of Medicine, we only hope to continue to build the roster of impactful healthcare courses.

Click Here to learn more about York's initiatives towards accomplishing SDG 3

Click Here to learn more about the United Nations' SDG 3 targets and goals

SDG 3 Courses at YU	Primary SDG	Secondary SDG	Ancillary SDG	Total Courses
	231	11	0	242

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York University 2022 Course Inventory - SDG 3

COURSE TITLE	FACULTY	SUBJECT	CODE	CREDIT	DESCRIPTION	LANGUAGE	PRIMARY SDG	SECONDARY SDG	ANCILLIARY SDG
The Anthropology of Global Health	Faculty of Liberal Arts & Professional Studies	ANTH	3200	3	Why do so many people in the word today still suffer and die of preventable and curable diseases? Why have advances in public health and biomedicine not reached more than half the world's population? What should governments, global agencies and philanthropic foundations do to ensure health for all? This course explores the field of global health from critical anthropological perspectives.	en	SDG 3 Good Health and Well-Being	SDG 16 Peace, Justice and Strong Institutions	
Placement Option MA	Faculty of Graduate Studies	ANTH	5040	3	In certain instances a Candidate for the Masters degree may elect to do an Internship option in order to fulfill course requirements. For example, students specializing in the field of medical anthropology might work in a hospital or psychiatric setting; students concentrating on ethnicity would work with a voluntary association or agency working with immigrants, etc. Prior approval by the Graduate Program Director is required. Final grade to be based on an evaluation by the affiliate institution, communicated in writing to the Graduate Director.	en	SDG 3 Good Health and Well-Being		
Placement Option PhD	Faculty of Graduate Studies	ANTH	6040	3	In certain instances a Candidate for the Doctoral degree may elect to do an Internship option in order to fulfill course requirements. For example, students specializing in the field of medical anthropology might work in a hospital or psychiatric setting; students concentrating on ethnicity would work with a voluntary association or agency working with immigrants, etc. Prior approval by the Graduate Program Director is required. Final Grade to be based on an evaluation by the affiliate institution, communicated in writing to the Graduate Director.	en	SDG 3 Good Health and Well-Being		

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Educational Audiology	Faculty of Education	AUCO	3555	3	This course focuses on maximizing hearing and auditory learning in the classroom for Deaf and Hard-of-Hearing children. It offers an introduction to sound and speech acoustics, the anatomy and physiology of the auditory system, the measurement and effects of dysfunction of various portions of the auditory system, and the role of audition in communication. The focus in the first term will be on clinical audiological practices, hearing aids, FM systems and interpretation of clinical audiological test results. The objective is to gain sufficient familiarity with clinical audiological procedures to allow teachers to work skillfully and collaboratively with parents, audiologists and other professionals. A key part of this course will be the use of amplification by Deaf and Hard-of-Hearing children, in the form of hearing aids, cochlear implants, non-conventional amplification devices and FM systems. The second term of this course focuses on the use of hearing technology in the classroom and the development of listening skills. Students will learn the theoretical and practical aspects of recommending. Fitting, monitoring and troubleshooting hearing technology in the classroom and will also develop an understanding of assessment and development of listening skills for Deaf and Hard-of-Hearing students.	en	**SDG 3 Good Health and Well-Being**		
Topics in Molecular Biology IV: Signal Transduction	Faculty of Graduate Studies	BIOL	5030	1.5	This course covers signal transduction including the activation of cell surface receptors, the generation of secondary messengers and intracellular ionic currents. Prerequisites: undergraduate courses in biochemistry and molecular biology.	en	**SDG 3 Good Health and Well-Being**		
Vertebrate Endocrinology	Faculty of Science	BIOL	4320	3	Vertebrate endocrine structure and function; synthesis and regulation of hormones; mechanisms of hormone actions; and hormonal integration of physiological processes. Prerequisites: SC/BIOL 2020 3.00, SC/BIOL 2021 3.00, SC/BIOL 2030 4.00. Course credit exclusion: HH/KINE 4448 3.00.	en	**SDG 3 Good Health and Well-Being**		
Cellular and Molecular Basis of Muscle Physiology	Faculty of Science	BIOL	4510	3	Topics include muscle development, muscle-specific gene expression, molecular basis of muscle contraction, biochemical plasticity of muscle, sarcolemmal and nuclear signal transduction in muscle. Prerequisite(s): AS/HH/SC/KINE 3012 3.00 or SC/BIOL 3060 4.00 and SC/BIOL 3070 4.00.	en	**SDG 3 Good Health and Well-Being**		
Applied Immunology	Faculty of Science	BIOL	4120	3	This course explores the structure and function of the immune system and its applications. Students will build a deeper understanding of the molecular, cellular and regulatory mechanisms of the immune system while exploring the research on, and application of, immunology in living systems. Both normal immune functions and disorders of the immune response will be addressed. Prerequisite: SC/BIOL 3120 3.0.	en	**SDG 3 Good Health and Well-Being**		

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Genomics	Faculty of Science	BIOL	4020	3	The study of genome structure, function and evolution, with emphasis on the primary literature. Topics include: gene duplication, evolution of noncoding DNA, population genomics, horizontal gene transfer, transposable element evolution and base composition. Three lecture hours. One term. Three credits. Prerequisites: SC/BIOL 2060 3.00 or SC/MATH 2560 3.00 or SC/MATH 2565 3.00 or HH/PSYC 2020 6.00 or HH/PSYC 2021 3.00 (or equivalent); SC/BIOL 3130 3.00.	en	**SDG 3 Good Health and Well-Being**		
Immunobiology	Faculty of Science	BIOL	3120	3	The biology and chemistry of the immune response. Structure and function of antibodies; antibody diversity; anatomy and development of the immune system; cellular interactions; immunological responses in disease. Production and use of monoclonal and polyclonal antibodies. Prerequisites: SC/BIOL 2020 3.00, SC/BIOL 2021 3.00, SC/BIOL 2040 3.00, SC/BIOL 2070 3.00.	en	**SDG 3 Good Health and Well-Being**		
Current Topics and Methods in Cell Biology	Faculty of Science	BIOL	4141	3	Selected topics in cell biology, such as membrane dynamics, cell cycle control, apoptosis, signal transduction and cellular rhythmicity. Presentation and critical discussion of recent research papers, emphasizing current methods and experimental design. Prerequisite: SC/BIOL 3130 3.00.	en	**SDG 3 Good Health and Well-Being**		
Advanced Biochemistry and Molecular Genetics Laboratory	Faculty of Science	BIOL	3140	4	Research techniques used in biochemistry and molecular biology, including recombinant DNA technology, are illustrated. Purification of a restriction endonuclease; isolation and mapping of bacterial plasmids, bacteriophage and recombinant molecules; polymerase chain reaction (PCR); nucleic acid hybridization. Prerequisite or corequisite: SC/BIOL 3110 3.00 or SC/BCHM 3110 3.00. Strongly recommended prerequisite or corequisite: SC/BIOL 3130 3.00 or SC/BCHM 3130 3.00.	en	**SDG 3 Good Health and Well-Being**		
Introduction to Medical Microbiology	Faculty of Science	BIOL	2905	3	Medical microbiology for students interested in nursing and other health fields. This course is an introduction to concepts of medical microbiology, human-microbe interactions, mechanisms of microbial diseases, control of microbial growth, immunology and epidemiology. Prerequisite: At least 30 credits towards a degree program; six credits from the following: SC/BIOL 1000 3.00, SC/BIOL 1001 3.00, SC/BIOL 1010 6.00; SC/NATS 1610 6.00, SC/NATS 1650 6.00, SC/NATS 1660 6.00, SC/NATS 1670 6.00, SC/NATS1675 6.00, SC/NATS 1680 6.00, HH/KINE 2011 3.00, HH/KINE 2031 3.00; or permission of the Instructor. Course credit exclusions: SC/BIOL 2900 3.00, SC/BIOL 3150 3.00 (prior to Fall 2016), or SC/BIOL 3150 4.00. Note: Not eligible for Biology credit towards a Biology or Biochemistry program.	en	**SDG 3 Good Health and Well-Being**		

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Systems Neuroscience	Faculty of Science	BIOL	4380	3	Investigates the neural basis of visual and auditory perception, echolocation, smell, short- and long-term memory, and motor control. Emphasis is on understanding how neural interactions analyze sensory information and control complex behaviour. Prerequisite: SC/BIOL 3060 4.00 or HH/SC NRSC 2100 3.0.	en	**SDG 3 Good Health and Well-Being**		
Molecular Biology II: Regulation of Gene Expression	Faculty of Science	BIOL	3130	3	Gene structure and function. Mechanisms of gene expression in prokaryotes and eukaryotes. Storage and retrieval of genetic information; transcription, translation and their control. Prerequisite: SC/BIOL 3110 3.00 or SC/BCHM 3110 3.00.	en	**SDG 3 Good Health and Well-Being**		
Microbiology	Faculty of Science	BIOL	3150	4	Fundamentals of microbiology; microbial organisms; microbe-host interactions; microbial genetics and evolution; microorganisms and human disease; environmental and applied microbiology. Prerequisites: SC/BIOL 2020 3.00, SC/BIOL 2021 3.00, SC/BIOL 2040 3.00, and SC/BIOL 2070 3.00. Course credit exclusion: SC/BIOL 3150 3.00.	en	**SDG 3 Good Health and Well-Being**		
Animal Physiology I	Faculty of Science	BIOL	3060	4	Fundamental concepts in sensory, neural and behavioural physiology. The biochemical mechanisms whereby nerve cells detect and transmit information and the processes whereby information is integrated in the nervous system and gives rise to the outputs of behaviour. Prerequisites: SC/BIOL 2020 3.00, SC/BIOL 2021 3.00, SC/BIOL 2030 4.00.	en	**SDG 3 Good Health and Well-Being**		
Biology of Cancer	Faculty of Science	BIOL	4010	3	Explores the basic molecular and cellular concepts and principles related to the development of cancer, and medical applications to treatment and prevention of the disease. Prerequisites: SC/BIOL 3130 3.00 or SC/BCHM 3130 3.00.	en	**SDG 3 Good Health and Well-Being**		
Physiology of Circadian Timing	Faculty of Science	BIOL	4310	3	Examines the mechanism by which cells generate 24h (circadian) rhythms, how the numerous sites of these cells are coordinated by nerves and hormones and the critical roles of human circadian clocks in health and diseases. Prerequisites: One of the following: (1) SC/BIOL 2020 3.00 and SC/BIOL 2021 3.00 and SC/BIOL 3060 4.00 OR (2) SC/BIOL 2020 3.00 and SC/BIOL 2021 3.00, HH/KINE 2011 3.00 and HH/KINE 3012 3.00 OR (3) HH/SC NRSC 2000 3.00 and HH/SC NRSC 3000 3.00.	en	**SDG 3 Good Health and Well-Being**		
Human Molecular Genetics	Faculty of Science	BIOL	4285	3	Covers the application of genetic and molecular biological techniques to study human diseases and other related areas, and discusses ethical concerns that might arise from this research. Prerequisite or corequisite: SC/BIOL 3130 3.00.	en	**SDG 3 Good Health and Well-Being**		
Parasitology	Faculty of Science	BIOL	4360	3	Biology of animal parasites; developmental, structural and functional adaptations to the parasitic environments; immune and other responses of hosts; parasitic diseases. Prerequisite: SC/BIOL 2030 4.00.	en	**SDG 3 Good Health and Well-Being**		

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Clinical Microbiology for Nurses	Faculty of Science	BIOL	2900	3	An introductory course in medical microbiology designed for nursing students. Topics include: structure/function relationships of viruses, bacteria and fungi; physical and chemical control of microbial growth; human/microbe interactions; immunology; major infectious diseases of humans; epidemiology and public health. Prerequisite: Entry in the collaborative Nursing program. Course credit exclusions: SC/BIOL 2905 3.00, SC/BIOL 3150 4.00. Note: Not eligible for biology credit towards a Biology/Biochemistry /Environmental Biology program. Not open to students who have taken SC/BIOL 3150 4.00.	en	**SDG 3 Good Health and Well-Being**		
Biology I - Cells, Molecular Biology and Genetics	Faculty of Science	BIOL	1000	3	An introduction to major unifying concepts and fundamental principles of biology, including evolution and cell theory. Topics include cells, biological energetics, metabolism, cell division and genetics. The laboratory and lecture components must be passed independently to pass the course. Prerequisite: OAC Biology or 12U Biology or SC/BIOL 1500 3.00; OAC Chemistry or 12U Chemistry or SC/CHEM 1500 4.00. Course credit exclusions: SC/ISCI 1101 3.00; SC/ISCI 1110 6.0.	en	**SDG 3 Good Health and Well-Being**		
Neurobiology	Faculty of Science	BIOL	4370	3	An analysis of recent advances in neurobiology, particularly information processing and storage in nervous systems and thebiochemical basis of learning, memory and behaviour. The neurobiology of addiction, diseases of the nervous system and regeneration are also discussed. Prerequisites: SC/BIOL 2020 3.00 and SC/BIOL 2021 3.0 and SC/BIOL 3060 4.00 or HH/SC NRSC 2000 3.0 and HH/SC NRSC 3000 3.0. PRIOR TO WINTER 2010: course credit exclusion: HH/KINE 4512 3.00.	en	**SDG 3 Good Health and Well-Being**		
Biochemistry	Faculty of Science	BIOL	2020	3	A study of the cell biology and biochemistry of biomolecules. Topics include intermediary metabolism related to bioenergetics, including the biology of mitochondria and chloroplasts, protein structure and function, nucleic acid replication, gene expression, chromosome organization and recombinant DNA technology. Not open to Chemistry majors. Prerequisites: (1) Both SC/BIOL 1000 3.00 and SC/BIOL 1001 3.00, or SC/ISCI 1110 6.00, or both SC/ISCI 1101 3.00 and SC/ISCI 1102 3.00; and (2) both SC/CHEM 1000 3.00 and SC/CHEM 1001 3.00, or SC/CHEM 1000 6.00, or both SC/ISCI 1201 3.00 and SC/ISCI 1202 3.00, or SC/ISCI 1210 6.00. Course credit exclusion: SC/CHEM 2050 4.00.	en	**SDG 3 Good Health and Well-Being**		
Cell Biology	Faculty of Science	BIOL	2021	3	A study of cell biology and aspects of related biochemistry. Topics include membranes, the endomembrane system, the cytoskeleton, cellular motility, the extracellular matrix, intercellular communication and intracellular regulation. Prerequisites: One of the following: (1) SC/BIOL 1000 3.00 and SC/BIOL 1001 3.00 and SC/CHEM 1000 3.00 and SC/CHEM 1001 3.00 (2) SC/ISCI 1110 6.00 and SC/ISCI 1210 6.00 (3) SC/ISCI 1101 3.00 and SC/ISCI 1102 3.00 and SC/ISCI 1201 3.00 and SC/ISCI 1202 3.00.	en	**SDG 3 Good Health and Well-Being**		

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Cellular Regulation	Faculty of Science	BIOL	4150	3	A detailed examination of molecular, cellular and physiological processes associated with the action of peptide hormones, neuro-transmitters and growth factors. Emphasis is on cell receptors and signal transduction mechanisms involving cyclic nucleotides and calcium. Prerequisites: SC/BIOL 2020 3.00, SC/BIOL 2021 3.00, SC/BIOL 2070 3.00. SC/BIOL 3010 3.00 and SC/BIOL 3110 3.00 strongly recommended as prerequisites or corequisites.	en	**SDG 3 Good Health and Well-Being**		
Advanced Virology	Faculty of Science	BIOL	4155	3	Investigates advanced concepts and experimental systems in virology, including recent basic and applied research that has led to major scientific innovations in medicine, agriculture and nanotechnology. Prerequisites: SC/BIOL 3110 3.00, SC/BIOL 3130 3.00, SC/BIOL 3155 3.00.	en	**SDG 9 Industry, Innovation and Infrastructure**	**SDG 3 Good Health and Well-Being**	
Biophysical Techniques	Faculty of Science	BPHS	4090	3	This course will focus on applications of atomic, nuclear, and quantum physics in biology and medicine. Topics will include interactions between radiation and matter (including spectroscopy), principles of biological and medical imaging. radiation therapy in medicine, and micro/nano-fluidics. An array of modern experimental techniques will also be covered, such as: optical tweezers, atomic force microscopy (AFM), x-ray crystallography, and nuclear magnetic resonance (NMR, MRI). Relevant signal processing strategies such as spectral analysis (e.g., Fourier transforms) and image analysis (e.g., convolutions, tomography) will be covered in detail. A regular one-hour tutorial will serve to provide background training and hands-on support for student lab work. Prerequisites: SC/BPHS 2090 3.00 or permission of the instructor; SC/PHYS 2020 3.00; SC/PHYS 2060 3.00. Corequisite: SC/PHYS 3040 6.00. Course Credit Exclusion: SC/BPHS 4090 4.00.	en	**SDG 3 Good Health and Well-Being**		
Health Equity and Mental Health Policy	Faculty of Graduate Studies	CDIS	5045	3	This course involves an analysis of mental health policy starting with early conceptualizations and approaches to mental health care, to more recent government initiatives and societal approaches in Canada, with a comparison to other international contexts. Integrated with the undergraduate course Atkinson Health Studies 4140 3.0	en	**SDG 1 No Poverty**	**SDG 3 Good Health and Well-Being**	
Drug Discovery	Faculty of Graduate Studies	CHEM	6051	3	This course covers advanced and modern topics in small-molecule drug discovery, including combinatorial library synthesis, high-throughput screening technologies, hit-to-lead generation, molecular docking, case studies for modern drug development, and scale up chemistry.	en	**SDG 3 Good Health and Well-Being**		

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Chemical Biology	Faculty of Graduate Studies	CHEM	5052	3	An introduction to chemical biology and the use of chemistry to study and reengineer biological systems. The course focuses on biological applications, including profiling of the transcriptome and proteome; the interference of genes, transcripts and protein function; tracking using bioconjugation; measuring protein activity; synthesis and screening of chemical libraries; combinatorial chemistry; DNA-encoded synthesis; chemical probes and biosynthetic machinery to synthesize new drugs; synthesis of unnatural proteins; and CRISPR to edit biological molecules.Integrated with undergraduate course CHEM 4052 Chemical Biology	en	**SDG 3 Good Health and Well-Being**		
Introduction to Drug Discovery and Development	Faculty of Science	CHEM	3075	3	This course introduces students to the fundamentals of modern drug development such as how the structure, metabolism, route of administration, additives in formulation, etc. play key roles in determining a drug's activity and efficacy. The course explains how a molecule can be identified as a leading compound (by high throughput screenings or computational modeling) and then optimized to ensure maximum efficacy and minimal side effects. The course is mainly focused on elements of structural biology and the pharmacological aspects of medicinal chemistry. Several classes of drug molecules are explained to ensure that students are exposed to a broad overview about the real world of drug discovery and development procedures. Guest speakers from pharmaceutical companies will speak about current pharmaceutical research and development as well as patents and innovation. Overall the course is designed to make sure that students are familiarized with the idea of drug design and development, and the recent approaches taking place in this field of science. Prerequisites: SC/CHEM 2020 3.00, SC/CHEM 2021 3.00 and either SC/CHEM 2050 4.00 or SC/BIOL/BCHEM 2020 3.00. Course Credit Exclusion: SC/CHEM 3071 3.00.	en	**SDG 3 Good Health and Well-Being**		

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Chemical Biology	Faculty of Science	CHEM	4052	3	This course introduces students to the fundamentals of chemical biology, which focuses on the use of chemistry to study, probe, reengineer, and exploit biological systems. The course explains how chemistry can be used in biological applications, including the profiling of the transcriptome and proteome; the interference of genes, transcripts and protein function; the tracking of transcripts and proteins in vivo using bioconjugation technologies; the measurement of protein activity in vivo; the synthesis of large libraries of chemicals and their screening for function using state-of-the-art technologies such as combinatorial chemistry and DNA-encoded synthesis; the use of chemical probes to determine biomolecular interaction in cells; the use and re-engineering of biosynthetic machinery to synthesize new drugs; the re-engineering of biological systems to generate proteins bearing unnatural amino acids; and the use of CRISPR-cas9 machinery to edit the genome, transcriptome, and epitranscriptome. The course will introduce students to critical evaluation of literature in chemical biology, and familiarize students with recent advances in the field. Prerequisites: SC/CHEM 3021 3.00, and SC/CHEM 2050 4.00 or SC/BCHM 2020 3.00 or SC/BIOL 2020 3.00. NCR Note: Not open to students who have passed CHEM 4051 3.00 in FW 2018 or FW 2019.	en	**SDG 3 Good Health and Well-Being**		
X-ray Crystallography	Faculty of Science	CHEM	4092	3	Principles, practical details and computational methods of X-ray crystallographic structure determination. Students carry out an original structure determination from raw reflection data. Prerequisites: SC/CHEM 2011 3.00 and SC/CHEM 3051 3.00.	en	**SDG 3 Good Health and Well-Being**		
Honours Thesis in Cognitive Science	Faculty of Liberal Arts & Professional Studies	COGS	4750	6	Students carry out an individual piece of research in cognitive science in consultation with a thesis supervisor and write a thesis. Prerequisite: Permission of the Instructor.	en	**SDG 3 Good Health and Well-Being**		
Prevention and Care of Dance Injuries	School of Arts, Media, Performance & Design	DANC	3321	3	Examines the prevention, recognition and treatment of dance injuries. Specific study of proper versus improper technique and its correlation to resultant injuries. Follow-up remedial procedures and therapeutic modalities to enhance healing are also studied. May be offered in extended or normal format. Prerequisite or corequisite: One of: SC/NATS 1610 6.00, SC/NATS 1620 6.00, SC/NATS 1650 6.00, HH/KINE 2031 3.00 and FA/DANC 2320 3.00.	en	**SDG 3 Good Health and Well-Being**		
Medical and Public Health Issues for Non-Medical Personnel	Faculty of Graduate Studies	DEMS	5082	3	This course addresses the common and important health issues that arise during both sudden and chronic emergencies, for victims and responders.	en	**SDG 3 Good Health and Well-Being**		

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Health Economics	Faculty of Liberal Arts & Professional Studies	ECON	3510	3	Examines the determinants of supply and demand in the health services industry and the causes of medical cost inflation. Introduces economic models of physician and hospital behaviour and uses case studies to consider the influence of health insurance, reimbursement schemes, and practitioners' discretion on the delivery system. Prerequisite: AP/ECON 1000 3.00 or equivalent. AP/ECON 3510 3.00 is based on AK/ECON 3510 3.00.	en	**SDG 3 Good Health and Well-Being**		
√É¬âconomie de la santÉ¬©	Glendon College	ECON	4330	3	Le cours explore une varià©tà© de thà®mes en à©conomie de la santà©. Une approche thà©orique et empirique est utilisà©e dans une perspective internationale et dans un contexte d¬íaccà©là©ration du changement du systà®me de santà©. Le contexte implique une collaboration multipartite. Conditions prà©alables : GL/ECON 2100 6.00 et GL/MATH 1620 3.00.	fr	**SDG 3 Good Health and Well-Being**		
Biomedical Signal Analysis	Lassonde School of Engineering	EECS	4643	4	The sensing, detection, processing, estimation and classification of biological signals are core to biomedical engineering. This course builds on basic understanding of discrete- and continuous-time signals and applies it to the processing of biomedical signals that can be used to infer the physiological state of a living organism. Time, frequency, and joint time-frequency domain processing of specific important biological signals such as EEG, ECG and vital signs (such as heart rate, blood pressure and respiration) are considered. Understanding of linear systems theory in both discrete and continuous time is required before taking this course. Prerequisites: cumulative GPA of 4.50 or better over all major EECS courses (without the second digit "5"); LE/EECS 3602 4.00.	en	**SDG 3 Good Health and Well-Being**		

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Introduction to Medical Devices and Biological Instruments	Lassonde School of Engineering	EECS	3641	4	This course builds on the foundation in measurement techniques by developing the students' understanding of electrophysiological sensing systems and biosensors used within the medical and biological fields. This course applies the classical knowledge of electronic circuits and systems techniques to the development of medical devices and biological instruments. Background in electronic circuit design, basic knowledge of human physiology and body system, and basic knowledge of cellular and molecular biology are required before taking the course. Topics include the design of medical devices such as Electro-Encephalography (EEG) and Electromyography (EMG) devices used for disease diagnostics; biological instruments such as cell counter; handheld sensing devices used for various point-of-care (PoC) applications such as glucose measurement, blood pressure monitoring and early detection of cancer; and wearable sensing devices used for fitness applications. In the design of each medical device or biological instrument, students are also introduced the related theoretical and practical issues with a focus on needs assessment, creativity, and innovation as they seek to identify market opportunities. Prerequisites: cumulative GPA of 4.50 or better overall major EECS courses (without second digit "5"); LE/EECS 1021 3.00, LE/EECS 2210 3.00. Course Credit Exclusion: LE/EECS 4641 4.00	en	**SDG 3 Good Health and Well-Being**		
Medical Imaging Systems	Lassonde School of Engineering	EECS	4642	4	This course will provide an introduction to several of the major imaging modalities ranging from X-ray projection radiography to magnetic resonance imaging (MRI). This course applies the classical knowledge of physics, circuits, and signal and systems techniques to the development of medical imaging systems. Background in medical devices, electronic circuit, signal and systems, basic knowledge of human physiology and body system, and basic knowledge of physics are required before taking the course. Topics include the physics of radiography; fundamental of X-ray projection radiography and X-ray computed tomography (CT); Fundamental of ultrasound imaging techniques and ultrasound imaging systems; and introduction of magnetic resonance imaging (MRI) system. Three lecture hours per week. Three laboratory hours per week. Prerequisites: General Prerequisite; LE/EECS 2030 3.00 or LE/EECS 1030 3.00; LE/ EECS 2210 3.00, LE/EECS 3602 4.00 or LE/EECS 3451 4.00. (NOTE: The General Prerequisite is a cumulative GPA of 4.50 or better over all major EECS courses. EECS courses with the second digit "5" are not major courses.)	en	**SDG 3 Good Health and Well-Being**		

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Healthcare Strategy	Schulich School of Business	EMBA	6620	2	This course will focus on strategic principles in a variety of healthcare settings. In so doing, participants will become acquainted with several US health sectors, regulatory oversight of these sectors, and major policy issues. Sustainable strategies given the current and future industry structures, conduct, and government regulations, and the recent US healthcare reform will also be covered.	en	SDG 3 Good Health and Well-Being	
Literature and Health	Faculty of Liberal Arts & Professional Studies	EN	1102	6	Explores themes of physical and mental health-related issues in literature, the literary conventions and figurative language necessary for their expression, as well as the use of literature in health-related practices. From the conception of life to death, issues include varieties of trauma, euphoria, disease, recovery, and pain as signifier of negative occurrence and positive accomplishment. Course credit exclusion: AP/EN 1102 3.00.	en	SDG 3 Good Health and Well-Being	
Introduction aux troubles du langage dans la perspective de la linguistique clinique	Glendon College	FRAN	3664	3	Ce cours fournit une introduction gV©nV©rale aux retards de dV©veloppement langagier et aux troubles du langage avec un intV©rV™t particulier pour le franVßais. Il explore les troubles les plus frV©quents, entre autres, les retards de parole et les troubles spV©cifiques du langage. Condition prV©alable : GL/FRAN 2600 6.00 ou permission du dV©partement d'VâtudesfranVßaises.	fr	SDG 3 Good Health and Well-Being	
Anatomy & Physiology for Human Health I	Faculty of Health	GH	1001	3	Examines human anatomy and physiology with a focus on health and disease in the body as a whole as well as each body system. Students examine how the different body systems work together to maintain homeostasis and how the systems react when homeostasis is disrupted by disease. Course credit exclusions: HH/IHST 1001 3.00, HH/KINE 2011 3.00, HH/KINE 2031 3.00, SC/ NATS 1650 6.00Previously Offered as HH/IHST 1001 3.00	en	SDG 3 Good Health and Well-Being	
Foundations of Global Health Studies	Faculty of Health	GH	1010	3	An interdisciplinary and multidisciplinary introduction to the issues underlying Canadian and international health care systems. Examines the social, cultural, economic and political influences on concepts, values and structures of Canadian and international health care systems. Course Credit Exclusion: HH/IHST 1010 3.00, HH/HLST 1010 3.00Previously Offered as HH/IHST 1010 3.00	en	SDG 3 Good Health and Well-Being	
Epidemiology and Global Health	Faculty of Health	GH	3000	3	An introduction to the basic principles of epidemiology. The use of epidemiologic methods for population and public health research will be emphasized. Prerequisites: HH/IHST 1000 6.00 or HH/GH 1000 6.00 or HH/IHST 1001 3.00 or HH/GH 1001 3.00 and HH/IHST 1002 3.00 or HH/GH 1002 3.00, HH/IHST 2100 3.00 or HH/GH 2100 3.00, HH/IHST 2010 6.00 or HH/GH 2010 6.00, HH/KINE 2049 3.00 and HH/KINE 2050 3.00, or PSYC 2020 6.00 or HH/PSYC 2021 3.00 and HH/PSYC 2030 or HH/HLST 2300 6.00. Course Credit Exclusions: HH/IHST 3000 3.00Open to: Students in the BA and BSc in Global Health.Previously Offered as HH/IHST 3000 3.00	en	SDG 3 Good Health and Well-Being	

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Health Care Planning for Communities	Faculty of Health	GH	3740	3	This course provides a theoretical and methodological background for health problem analysis and program/service planning at the community and regional levels. Cross-listed to: HH/NURS 3740 3.00Course Credit Exclusions: HH/IHST 3740 3.00Previously Offered as HH/IHST 3740 3.00	en	**SDG 3 Good Health and Well-Being**		
Applied Global Health Research Capstone	Faculty of Health	GH	4400	3	This capstone course will be in topic areas reflecting concentrations in Global Health Specialized Honours, Global e-Health; Global Health policy management and systems; Global Health promotion and disease prevention; and Global Health and the Environment. This course will support synthesis of learning from the practicum and previous courses in the program and develop seminar leadership skills. Prerequisites: All 3000- and 4000-level courses in the major. Corequisite: HH/IHST 4300 9.00Course Credit Exclusion: HH/IHST 4400 3.00Previously Offered as HH/IHST 4400 3.00	en	**SDG 3 Good Health and Well-Being**		
Anatomy & Physiology for Human Health II	Faculty of Health	GH	1002	3	Examines human anatomy and physiology with a focus on health and disease in the body as a whole as well as each body system. Students examine how the different body systems work together to maintain homeostasis and how the systems react when homeostasis is disrupted by disease. Course credit exclusions: HH/IHST 1002 3.00, HH/KINE 2011 3.00, HH/KINE 2031 3.00, SC/ NATS 1650 6.00.Previously Offered as HH/IHST 1002 3.00	en	**SDG 3 Good Health and Well-Being**		
Chronic Diseases & Care	Faculty of Health	GH	2100	3	Examines the complexity and impact of chronic diseases, also known as non-communicable diseases, within national and international health care systems. It will define and investigate the current prevalence, significance, risk factors and determinants of the major current chronic conditions and their prevention and management. Prerequisites: HH/IHST 1000 6.00 or HH/GH 1000 6.00 or HH/IHST 1001 3.00 or HH/GH 1001 3.00 and HH/IHST 1002 3.00 or HH/GH 1002 3.00Previously Offered as HH/IHST 2100 3.00	en	**SDG 3 Good Health and Well-Being**		
Determinants of Health: Local to Global	Faculty of Health	GH	2200	3	Provides an opportunity for participants to develop or strengthen their understanding of social determinants of health from a global perspective. Participants will engage in critical analysis of social inequities and the health consequences to global populations and will also develop an understanding of the concept of global citizenship. Course Credit Exclusion: HH/HLST 3010 3.00, HH/IHST 2200 3.00Previously Offered as HH/IHST 2200 3.00	en	**SDG 3 Good Health and Well-Being**		

York University 2022 Course Inventory - SDG 3

Communicable Diseases and Care	Faculty of Health	GH	3100	3	Introduces students to the current theories and knowledge of communicable diseases and programs in place to address the spread of communicable diseases. Prerequisites: HH/IHST 1000 6.00 or HH/GH 1000 6.00 or HH/IHST 1001 3.00 or HH/GH 1001 3.00 and HH/IHST 1002 3.00 or HH/GH 1002 3.00, HH/IHST 2100 3.00 or HH/GH 2100 3.00, HH/IHST 2010 6.00 or HH/GH 2010 6.00Course Credit Exclusions: HH/IHST 3100 3.00Open to: Students in the BA and BSc in Global Health.Previously Offered as HH/IHST 3100 3.00	en	**SDG 3 Good Health and Well-Being**		
Methods and Approaches in Global Health Research	Faculty of Health	GH	2010	6	General Description: An introduction to the research cycle and the judicious use of quantitative and qualitative methodologies in the context of global health. Topics such as asking global health research questions, partnership involvement, capacity building, design, ethical conduct, data collection, analysis, interpretation, writing up, dissemination and uptake of global health research will be covered.Course Credit Exclusions: HH/KINE 2049 3.00 and HH/KINE 2050 3.00 or HH/PSYC 2021 3.00 and HH/PSYC 2030 3.00 or HH/HLST 2300 6.00 or HH/IHST 2010 6.00Previously Offered as HH/IHST 2010 6.00	en	**SDG 3 Good Health and Well-Being**		
Les femmes et la santVÉ¬©	Faculty of Liberal Arts & Professional Studies	GWST	3507	6	Sous une perspective historique et sociologique, ce cours aborde ces sujets: la santV© physique et mentale des femmes, les traitements qu'elles revßoivent au sein de la profession mV©dicale, leurs rV¥les en tant que guV©risseuses au sein de cette profession. Cours incompatible: AP/GL/WMST 3507 6.00. AVANT AUTOMNE 2009: Cours incompatible: AK/AS/WMST 3507 6.00.	fr	**SDG 3 Good Health and Well-Being**		
The Business of Healthcare	Schulich School of Business	HIMP	6110	3	This course examines the role of the private sector within the multi-faceted publiclyfunded healthcare program, including major industry segments such as pharmaceuticals, medical devices, consulting, the role of IT and public-private partnerships. All industry participants need to be aware of the roles played by other sub-industries. All 5100-series Required Foundations of Management Core Courses or permission of instructor.	en	**SDG 3 Good Health and Well-Being**		
Strategy in Healthcare	Schulich School of Business	HIMP	6130	3	This course examines the roles played by hospitals, governments, regional authorities, as well as their decisionmaking and accountability structures. The course also examines costs and financing; stakeholders; consolidation and clinical integration; challenges and threats. The course illustrates strategic management concepts in various management and multi-disciplinary settings, changing technologies and methods of health delivery. Pre-requisites: All 5100-series Required Foundations of Management Core Courses or permission of instructor. Co-requisite: SB/SGMT 6000.030	en	**SDG 3 Good Health and Well-Being**		

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Economics of Healthcare	Schulich School of Business	HIMP	6150	3	This course examines the demand and utilization of health services; drivers of healthcare costs; measuring output in healthcare; tradeoffs between efficiency, operational effectiveness and equity; realignment of capacity; how healthcare reforms affects demand; utilization and the mix of providers in the healthcare industry. Prerequisites: All 5100-series Required Foundations of Management Core Courses or permission of instructor.	en	SDG 3 Good Health and Well-Being		
Egypt from Alexander to Cleopatra	Faculty of Liberal Arts & Professional Studies	HIST	3154	3	Examines the social and cultural history of Ptolemaic Egypt from the Macedonian occupation in 332 BC to the death of Cleopatra VII in 30 BC.	en	SDG 3 Good Health and Well-Being		
Foundations of Health Studies I	Faculty of Health	HLST	1010	3	An inter- and multi-disciplinary introduction to the issues underlying Canada's health care system. Examines the social, cultural, economic, and political influences on concepts, values and structures of Canada's health care system. Course credit exclusion: HH/IHST 1010 3.00	en	SDG 3 Good Health and Well-Being		
Foundations of Health Studies II	Faculty of Health	HLST	1011	3	Uses the entry point of faculty research to explore a wide range of issues and social contexts in health care. Case studies and course material will focus on the struggle for health and equity for all.	en	SDG 3 Good Health and Well-Being		
Health Management 1: Essentials of Health Care Management	Faculty of Health	HLST	2030	3	Examines key areas that comprise the field of health care management by building on the root disciplines of organizational theory, strategic management and organizational behavior. Topics include the design and managerial roles in health care organizations, leadership and motivation, work team performance and interorganizational relationships. Prerequisite: HH/HLST 1010 3.00 and HH/HLST 1011 3.00 and AP/ADMS 1000 3.00, or HH/IHST 1010 3.00.	en	SDG 3 Good Health and Well-Being		
Health Informatics 1: Introduction to Health Informatics	Faculty of Health	HLST	2040	3	Introduces basic principles of health informatics as applied to a variety of health and social area applications. Examines how the delivery of healthcare is changed in response to new technology development. Explores knowledge and skills in the field of health data collection, storage, process and communication. Prerequisite: HH/HLST 1010 3.00 and HH/HLST 1011 3.00 or HH/IHST 1010 3.00. Course Credit Exclusion(s): HH/HLST 2050 3.00.	en	SDG 3 Good Health and Well-Being		
Pharmaceutical Politics and Policy	Faculty of Health	HLST	3015	3	Examines the place of pharmaceuticals in the Canadian health care system. Focuses on conflicts among stakeholders in policy formation, costs and physician prescribing behaviour. Prerequisite: HH/HLST 2020 3.00. Open to: Students who have 54 earned credits.	en	SDG 3 Good Health and Well-Being		
Health Policy II: Analyzing Processes of Power and Politics	Faculty of Health	HLST	3120	3	A continued exploration of the processes of health policy development and the outcomes to which they lead. Varying analytic approaches will be applied to three policy themes: the public/private mix in health care, integrated health systems and international health systems. Prerequisite: HH/HLST 2020 3.00 Open to: Students who have 54 earned credits.	en	SDG 3 Good Health and Well-Being	SDG 16 Peace, Justice and Strong Institutions	

York University 2022 Course Inventory - SDG 3

Integrated Health Systems in Canada	Faculty of Health	HLST	3230	3	Examines and critiques the elements and concepts of an evolving integrated health system (IHS) in Canada. Studies the evolution and the socio-political-economic impact of this new evolving holistic and integrated health-healing model from an interdisciplinary and cross-sectoral perspective. Prerequisite: HH/HLST 2030 3.0. Open to: Students who have 54 earned credits.	en	**SDG 3 Good Health and Well-Being**		
Health Services Accounting	Faculty of Health	HLST	3260	3	Examines accounting practices in various health sectors and organizations in Canada. Prerequisite: HH/HLST 2030 3.00. Course Credit Exclusions: HLST 3250 6.00, AP/ADMS 3525 3.00. Open to: Students who have 54 earned credits.	en	**SDG 3 Good Health and Well-Being**		
Electronic Health Record	Faculty of Health	HLST	3310	3	Provides students with the knowledge and skills to manage health information services in health organizations, to use computer technologies to collect, manage analyze and technically evaluate health information and work with confidential health records. Prerequisites: HH/HLST 2040 3.00 or HH/HLST 2050 3.00. Open to: Students who have 54 earned credits.	en	**SDG 3 Good Health and Well-Being**		
Health Informatics II: Health Information Systems	Faculty of Health	HLST	3341	3	Designed to develop a global understanding of the significance of health information systems (HIS) in healthcare. Topics include: health information management, HIS implications in transformation of health care and health care services delivery, standards development, technical and policy issues surrounding security, privacy and confidentiality of health care data. Prerequisite: HH/HLST 2040 3.00 or HH/HLST 2050 3.00. Open to: Students who have 54 earned credits.	en	**SDG 3 Good Health and Well-Being**		
Healthcare Quality Improvement and Patient Safety	Faculty of Health	HLST	3400	3	Analyzes issues related to health system improvement and patient safety. Examines quality improvement and patient safety theory and techniques and considers the barriers and facilitating factors for bringing about improvement in the delivery and outcomes of health care faced by managers, clinicians and organizations. Prerequisite: HH/HLST 2030 3.00. Open to: Students who have 54 earned credits.	en	**SDG 3 Good Health and Well-Being**		
Health Care Law	Faculty of Health	HLST	4000	3	Legislation relevant to health care; consent to treatment; cases of negligence; medical staff privileges; release of information. Prerequisites: HH/HLST 2020 3.00, HH/HLST 2030 3.00 and HH/HLST 2040 3.00. Open to: Students in the BHS Honours program with 84 earned credits.	en	**SDG 3 Good Health and Well-Being**		
Measuring Health System Performance/Effectiveness	Faculty of Health	HLST	4250	3	Analyzes issues related to the measurement, dissemination and use of health system performance information. Examines the measurement of health system performance at multiple levels in the system and in different settings and jurisdictions. Prerequisite: HH/HLST 2030 3.00. Open to: Students in the BHS Honours program with 84 earned credits.	en	**SDG 3 Good Health and Well-Being**		

York University 2022 Course Inventory - SDG 3

Decision Making and Decision Support Systems in Healthcare	Faculty of Health	HLST	4330	3	Integrates literature on decision making and literature on management information systems in the health care context to illuminate the rational and non-rational aspects of decision making in health care. Prerequisite: HH/HLST 2300 6.00 Open to: Students in the BHS Honours program with 84 earned credits	en	**SDG 3 Good Health and Well-Being**		
Health Services Finance	Faculty of Health	HLST	3265	3	Examines finance practices in various health sectors and organizations in Canada. Prerequisite: HH/HLST 3260 3.00. Course Credit Exclusions: HH/HLST 3250 6.00, AP/ADMS 3526 3.00. Open to: Students who have 54 earned credits.	en	**SDG 3 Good Health and Well-Being**		
Comparative Health Policy	Faculty of Health	HLST	4110	3	Examines historical, cultural, environmental, economic and political considerations of national health systems throughout the world, especially as health becomes less isolated and more an interconnected and integral part of all the other systems impacting our globe. Prerequisites: HH/HLST 2020 3.00 or HH/IHST 2000 3.00. Open to: Students in the BHS Honours program with 84 earned credits.	en	**SDG 3 Good Health and Well-Being**		
eHealth	Faculty of Health	HLST	4320	3	Introduces the major issues and trends in the application of Information and Communication Technologies (ICT) in the health care service sector. Open to: Students in the BHS Honours program with 84 earned credits.	en	**SDG 3 Good Health and Well-Being**		
Health Technology Assessment	Faculty of Health	HLST	4340	3	Provides students with the knowledge and skills required to carry out systematic analysis and make informed decisions concerning the introduction, allocation and cost-effective use of technologies in healthcare. Prerequisites: HH/HLST 3320 3.00 and HH/HLST 3341 3.00 Open to: Students in the BHS Honours program with 84 earned credits	en	**SDG 3 Good Health and Well-Being**		
Statistical Methods in Health Studies	Faculty of Health	HLST	2300	6	An introduction to the analysis of data from health studies. Fundamental concepts and techniques of both descriptive and inferential statistics and their application to health research. Prerequisite: HH/HLST 1010 3.00 and HH/HLST 1011 3.00. Course Credit Exclusion(s): AP/ADMS 2300 6.00 (prior to summer 2018) or HH/KINE 2050 3.00 or HH/PSYC 2020 6.00 or HH/PSYC 2021 3.00 and HH/PSYC 2022 3.00 Note: HH/HLST 1111 3.00 Mathematics for Health Studies highly recommended for students without 12U Math.	en	**SDG 3 Good Health and Well-Being**		

York University 2022 Course Inventory - SDG 3

Applied Research Approaches in Health Studies: Advanced Seminar	Faculty of Health	HLST	4200	6	Examines key issues associated with inquiry into health policy, management and informatics issues. The advanced seminar topics include various research methods and design issues relevant to health studies, data analysis and communication of research findings. Prerequisites: HH/HLST 2020 3.00, HH/HLST 2030 3.00, HH/HLST 2040 3.00 and HH/HLST 2300 6.00. Note: Students with course equivalents to HH/HLST 2300 6.00 will be required to complete Lynda.com SPSS training, or equivalent, before enrolling and submitting proof of completion to the School. Open to: Students in the BHS Honours program with 84 earned credits.	en	**SDG 3 Good Health and Well-Being**		
Social Determinants of Health	Faculty of Health	HLST	2010	3	Societal factors determine why some people stay healthy and others become ill. This course examines how these determinants of health influence health. Focus is upon income, stress, early life, social exclusion, work conditions, unemployment, social support, addiction, food and transportation. Prerequisites: HH/HLST 1010 3.00 and HH/HLST 1011 3.00 Course Credit Exclusions: HH/IHST 2200 3.00 Note: Non-BHS students can contact Course Director for permission to enrol. Previously: HH/HLST 3010 3.00	en	**SDG 8 Decent Work and Economic Growth**	**SDG 3 Good Health and Well-Being**	
Directed Studies in Health Studies	Faculty of Graduate Studies	HLTH	5000	3	Students work directly with a faculty member on a directed reading or research project to broaden their scope of knowledge in a topic pertaining to Health Studies that is not addressed in the department's regular course offerings. Permission required.	en	**SDG 3 Good Health and Well-Being**		
Human Rights and Health Equity	Faculty of Graduate Studies	HLTH	6220	3	This course considers health from a human rights and social justice perspective, exploring both domestic and international issues. It focuses on three areas: disability, reproductive technology and HIV/AIDS.	en	**SDG 3 Good Health and Well-Being**		
Trauma, Social Dislocation and Human Rights	Faculty of Liberal Arts & Professional Studies	HREQ	3962	3	The course examines violence, torture and inhumane treatment understood as health issues and as issues in international human rights. It engages with survivors' experiences in countries of origin and the human costs and challenges of the entry process in Canada.Prerequisite: 24 credits	en	**SDG 3 Good Health and Well-Being**	**SDG 16 Peace, Justice and Strong Institutions**	
Occupational Health and Safety	Faculty of Liberal Arts & Professional Studies	HRM	3400	3	Covers federal and provincial occupational health and safety legislation, hazard identification and control, physical agents, chemical agents, socio-psychological aspects of health and the management of safety programs. Prerequisite: None	en	**SDG 3 Good Health and Well-Being**		
Issues in Human Resource Management	Faculty of Liberal Arts & Professional Studies	HRM	4440	3	Examines current issues in HRM, which may include but not limited to downsizing, contingency workers, training transfer, stress related diseases, ethics, and outsourcing. Students are active participants in the identification and delineation of trends. Prerequisites: For students in the Honours program, 78 credits including AP/HRM 2600 3.00, or for other students, a grade of C+ or better in AP/HRM 2600 3.00.	en	**SDG 3 Good Health and Well-Being**		

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Healthcare Interpreting I	Faculty of Graduate Studies	INTE	5730	3	This course prepares students for the challenges of healthcare communication. It focuses on strategies for different types of discourse (history taking, diagnoses, obtaining consent), as well as how to navigate both technical terminology and the complex social dynamics of health.	en	**SDG 3 Good Health and Well-Being**		
Fundamentals of Health and Exercise Psychology	Faculty of Graduate Studies	KAHS	6130	3	Provides a graduate-level introduction to theories, measures, statistical and research methodologies typically used in health and exercise psychology research. Students learn critical evaluation and application of these key principles.	en	**SDG 3 Good Health and Well-Being**		
Chronic Disease Prevention and Rehabilitation Globally: Patient Care and Outcomes	Faculty of Graduate Studies	KAHS	6144	3	This course provides an in-depth examination of the secondary prevention and management of chronic disease, with a primary focus on cardiovascular diseases and cardiac rehabilitation. Topics are examined from clinical, psychosocial, health services and global health perspectives. The course is designed to emphasize both research and application, while promoting critical thinking, and expression of ideas through written and oral means.	en	**SDG 3 Good Health and Well-Being**		
Fundamentals of Neuroscience I: Structures, Neurons and Synapses	Faculty of Graduate Studies	KAHS	6155	3	This course will focus on molecular and cellular mechanisms underlying the structure and function of the nervous system, functional neuroanatomy, and the neurophysiology of movement. Prerequisites: undergraduate course in neuroscience or equivalent or by permission of Instructor	en	**SDG 3 Good Health and Well-Being**		
Techniques in Muscle Physiology	Faculty of Graduate Studies	KAHS	6375	3	This course examines the theory and techniques to assess the physiological aspects of skeletal muscle function. We will cover how human and animal experimental models can be utilized in a research setting to assess muscle strength, power, and fatigue, ranging from the whole body level to the single muscle fibre level. Fluorescence techniques to assess real-time muscle metabolic function will also be covered. Pre-requisites: One of KINE 4010, KINE 4445, KINE 4455, KINE 4470, KINE 4590 or permission of instructor or equivalent.	en	**SDG 3 Good Health and Well-Being**		
Applied Epidemiology	Faculty of Graduate Studies	KAHS	6460	3	Provides a detailed examination of the methods of epidemiology and public health research. Types of study designs, popular health status measures and biases encountered in epidemiological studies will be emphasized throughout the course. Specific focus will be on the different stages of designing a research project.	en	**SDG 3 Good Health and Well-Being**		
Brain Mechanisms of Movement in Health and Disease	Faculty of Graduate Studies	KAHS	6150	3	This course reviews fundamental concepts in motor control, and surveys the role of different cerebral cortical areas in controlling voluntary movements. Data from experimental and patient studies are used to illustrate the motor function of different brain regions.	en	**SDG 3 Good Health and Well-Being**		

York University 2022 Course Inventory - SDG 3

Autonomic Function in Health and Disease	Faculty of Graduate Studies	KAHS	6480	3	This course describes the autonomic nervous system including central and peripheral aspects i.e. brain regions, parasympathetic system, and sympathetic system. Students learn methodologies for measuring parasympathetic and sympathetic activity in both experimental and clinical settings. Lastly, students discuss the role of the autonomic nervous system in various clinical conditions including postural orthostatic tachycardia syndrome (POTS), heart failure, and diabetes.	en	**SDG 3 Good Health and Well-Being**		
Interdisciplinary and Practical Approaches to Healthy Aging	Faculty of Graduate Studies	KAHS	6485	3	This course presents a critical overview of seminal and current topics, issues, and debates in the field of gerontology. Biological, psychological, and social science perspectives are taken to develop a comprehensive understanding of aging, health, and wellness. Applied approaches used to promote healthy aging are explored and discussed.	en	**SDG 3 Good Health and Well-Being**		
Applied Human Anatomy and Physiology for Health Professionals I	Faculty of Health	KINE	1101	3	Introduces the learner to the foundations of anatomy and physiology, within the context of the health practitioner. This course takes a systemic approach to learning human anatomy and physiology and content includes an overview of the structure, function, and organization of the human body from the cellular level to organ systems, and explores each major organ system, with a focus on maintaining homeostasis and clinical applications. Part I focuses on cellular organization, genetics, embryology, tissues, the skeletal system, the muscular system and the nervous system.Not open to: Kinesiology majors or Global Health majorsNote: This will be a core course for students in the 4-Year Direct Entry BScN nursing degree program so the majority of spaces will be reserved for those students.	en	**SDG 3 Good Health and Well-Being**		
Human Physiology I	Faculty of Health	KINE	2011	3	A cellular basis of physiology from the sub-cellular to cellular components to organs including the functions and the mechanisms of function. The course covers fundamental cell science, cell physiology, plasma membrane potentials, muscle physiology, neuron pathways, blood and components, and basic immunology. Course credit exclusions: HH/IHST 1000 6.00, HH/IHST 1001 3.00, HH/IHST 1002 3.00.	en	**SDG 3 Good Health and Well-Being**		
Human Anatomy	Faculty of Health	KINE	2031	3	An overview of the gross anatomy of the human body. The following systems are examined: skeletal, muscular, nervous, circulatory, lymphatic, respiratory, digestive, urinary, reproductive and endocrine. Course credit exclusions: HH/IHST 1000 6.00, HH/IHST 1002 3.00, SC/NATS 1650 6.00.	en	**SDG 3 Good Health and Well-Being**		

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Introduction to Sport Related Injuries	Faculty of Health	KINE	2495	3	Provides students with a broad spectrum of knowledge relating to topics in sport related injuries. Discussions of sport injuries and conditions relating to injury prevention, evaluation and management helps students develop the foundational knowledge relating to the health care field. Corequisite: HH/KINE 2031 3.00. Course Credit Exclusion: HH/KINE 2490 3.00 and HH/KINE 3600 3.00 (prior to fall/winter 2017-18) Open to: Kinesiology and Health Science Students	en	**SDG 3 Good Health and Well-Being**		
Health Psychology and Kinesiology	Faculty of Health	KINE	3100	3	Provides an overview of primary topics in health psychology, emphasizing both psychological research approaches specific to physical activity and its application to behaviours related to eating and weight, pain, cancer and related diseases. Prerequisite: HH/PSYC 1010 6.00. Course credit exclusion: HH/PSYC 3170 3.00.	en	**SDG 3 Good Health and Well-Being**		
Physical Activity, Health and Aging	Faculty of Health	KINE	3350	3	Examines the aging process, lifestyle changes and the effect of physical activity on the health of aging adults. Prerequisites: HH/KINE 1020 6.00; HH/KINE 2020 3.00. Note: Internet use is required for this course.	en	**SDG 3 Good Health and Well-Being**		
Fitness Consulting and Personal Fitness Training	Faculty of Health	KINE	3400	3	Provides detailed theoretical and practical instruction on physical activity/exercise prescription, management, supervision and intervention strategies with a focus on health-related fitness outcomes. Prerequisites: HH/KINE 1020 6.00; HH/KINE 2031 3.00; Corequisite: HH/KINE 3012 3.00; HH/KINE 3030 3.00.	en	**SDG 3 Good Health and Well-Being**		
Athletic Injuries - Extremities	Faculty of Health	KINE	3575	3	This course is an introduction to athletic injuries including injury classification, basic level assessment of the extremities, tissue healing, protective equipment, basic treatment, and common injuries to the extremities. Prerequisite or corequisite: HH/KINE 2031 3.00. PRIOR TO WINTER 2013: course credit exclusions: HH/KINE 3450 3.00.	en	**SDG 3 Good Health and Well-Being**		
Fundamentals of Epidemiology	Faculty of Health	KINE	3635	3	Provides an introduction to the basic principles of Epidemiology with emphasis on studies undertaken in the field of kinesiology. Topics include: understanding of different study designs, analytic methods used, validity, outbreak investigation, diagnostic tests and causation. Prerequisite: HH/KINE 2050 3.00.	en	**SDG 3 Good Health and Well-Being**		
Functional Neuroanatomy	Faculty of Health	KINE	3650	3	Investigates the anatomy of the central nervous system, additionally discussing the clinical functional relevance of each area. Prerequisite: HH/KINE 2031 3.00 or SC/BIOL 4370 3.00 or HH/PSYC 3250 3.00.	en	**SDG 3 Good Health and Well-Being**		

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Molecular and Cellular Neuroscience with Applications to Health	Faculty of Health	KINE	3670	3	The course covers the basic principles of molecular and cellular neuroscience. The course introduces students to the most basic fundamentals of neuroscience, which is the study of the functional properties of the nervous system and relationship between brain and disease. Topics covered range from neuronal structure and function, communication at the synapse and neuromuscular junction, membrane receptors, synaptic transmission, neurotransmitters to the intra- and intercellular signaling systems within the sensory, motor and memory systems. This course provides the background for higher-level courses that deal with more specialized topics in neuroscience and the neurobiology of disease. Prerequisite: HH/KINE 3012 3.00 or HH/SC NRSC 2000 3.00 or HH/SC NRSC 3000 3.00	en	**SDG 3 Good Health and Well-Being**		
Immune System in Health and Disease	Faculty of Health	KINE	3710	3	The immune system in health and disease is designed to provide students with an overview of the immune system including innate and adaptive immunity. The emphasis is on normal immune function and on human diseases with immune origin or immune components particularly diseases where motion is limited by disease such as the arthritises. Prerequisite: HH/KINE 2011 3.00; HH/KINE 3012 3.00. Note: May not be taken for credit by Biology or Biochemistry majors.	en	**SDG 3 Good Health and Well-Being**		
Exercise Physiology	Faculty of Health	KINE	4010	3	The study of the physiological mechanisms involved during physical activity. The course covers the physiological effects of exercise and training upon the neuromuscular, cardiovascular, respiratory and metabolic systems. Prerequisite: HH/KINE 3012 3.00.	en	**SDG 3 Good Health and Well-Being**		
Advanced Human Nutrition	Faculty of Health	KINE	4130	3	Designed to provide a detailed analysis of the metabolic, biochemical and physiological processes that occur under health, exercise, altered nutritional status, and disease states. Prerequisite: HH/KINE 4010 3.00; HH/KINE 4020 3.00. Note: This is an advanced nutrition course that builds on the basic nutrition information acquired in HH/KINE 4020 3.00. It is designed to provide an in-depth analysis of the pathways that integrate the metabolism of carbohydrates, protein and fat. It also investigates the role of nutrition in the development and exacerbation of chronic diseases, and under different exercise states. It is targeted towards students interested in nutrition/physiology-related careers.	en	**SDG 3 Good Health and Well-Being**		
Obesity: Assessment, Treatment and Implications	Faculty of Health	KINE	4410	3	Obesity is a very prevalent condition that has received considerable attention. However, the attention has been very one sided, wherein only the benefits of weight loss are emphasized. The difficulties associated with maintaining weight loss are very poorly understood, and the dangers or negative aspects of focusing on weight per se may be more detrimental than the obesity itself. Prerequisites: HH/KINE 1020 6.0. Course Credit Exclusions: None.	en	**SDG 3 Good Health and Well-Being**		

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Relaxation: Theory and Practice	Faculty of Health	KINE	4420	3	Focuses on an understanding of the physiological and psychological basis of relaxation as a self-management procedure and in the utilization of relaxation strategies in sport, health and physical activity. Prerequisites: HH/KINE 2031 3.00; HH/KINE 3011 3.00; HH/KINE 3012 3.00 or permission of the Instructor. Note: This course does not count for science credit.	en	**SDG 3 Good Health and Well-Being**		
Sex Differences in Exercise Physiology	Faculty of Health	KINE	4447	3	Explores sex differences in physiological responses to stressors, including exercise while investigating the roles of testosterone, estrogen and progesterone. This course covers sex differences at the level of the cell, tissue, and whole body and investigates cardiovascular, respiratory, muscular, bone, and autonomic responses. Exercise as a treatment for clinical conditions is also studied. Prerequisite: HH/KINE 4010 3.00.	en	**SDG 3 Good Health and Well-Being**		
Advanced Exercise Physiology: Cardiovascular	Faculty of Health	KINE	4450	3	An overview of the cardiovascular physiology of exercise at both the central (heart) and peripheral (blood vessels, capillaries) levels, with an emphasis on health, disease, exercise and adaptation. Physiology adaptations at the molecular level are emphasized. Prerequisite: HH/KINE 4010 3.00.	en	**SDG 3 Good Health and Well-Being**		
Vascular Function in Health and Disease	Faculty of Health	KINE	4453	3	In-depth study of the physiology of the vascular system. These concepts then will be applied to understanding the pathophysiology of the vascular system in situations of chronic inflammation and diseases such atherosclerosis and hypertension. The beneficial effects of exercise on the vascular system will be discussed. Prerequisite: HH/KINE 4010 3.00.	en	**SDG 3 Good Health and Well-Being**		
Occupational Biomechanics	Faculty of Health	KINE	4460	3	Use of biomechanics in the occupational setting is introduced. Topics include workplace assessment techniques, risk factor identification, injury mechanisms, intervention strategies, and the (re)design of tools and workplace. Specific issues involving the upper extremity and lower back are addressed. Theory applied and practiced during labs.Prerequisite: HH/KINE 3030 3.00.	en	**SDG 3 Good Health and Well-Being**		
Neurophysiology of Movement in Health and Disease	Faculty of Health	KINE	4505	3	Provides an overview of current neurophysiological concepts in motor control, with an emphasis on the neurophysiological principles underlying human movement disorders. Pre-requisites:HH/KINE 3012 3.00 or HH/KINE 3020 3.00 or HH/SC NRSC 2000 3.00 and HH/SC NRSC 2100 3.00	en	**SDG 3 Good Health and Well-Being**		
Mitochondria in Health and Disease	Faculty of Health	KINE	4516	3	Analyzes the function and biogenesis of mitochondria with an emphasis on skeletal muscle. Apoptosis, mitochondrial disease, effects of exercise and training are examined at the molecular level. Current original literature is read and discussed in lecture and class presentation format. Prerequisite: HH/KINE 4010 3.00.	en	**SDG 3 Good Health and Well-Being**		

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Molecular Link Between Obesity and Cancer	Faculty of Health	KINE	4518	3	There has long been an association between obesity and cancer. This course will examine the molecular mechanisms that underlie this deleterious association. Course content will examine cell cycle dysregulation in cancer. Aspects of diet, exercise, metabolism and endocrinology of adipose tissue will be explored and their roles in obesity-dependent cancer progression will be discussed. Prerequisites: HH/KINE 2011 3.00, HH/KINE 3012 3.00, and HH/KINE 4010 3.00. Course credit exclusions: SC/BIOL 4010 3.00.	en	**SDG 3 Good Health and Well-Being**		
Epidemiology of Injury Prevention	Faculty of Health	KINE	4565	3	Introduces students to the recognition of situations or practices that contribute to injuries, strategies for injury prevention, with an emphasis on an epidemiological/public health approach. Prerequisites: HH/KINE 1000 6.00; HH/KINE 2050 3.00.	en	**SDG 3 Good Health and Well-Being**		
Delivering Exercise to the Aging: Knowledge to Action	Faculty of Health	KINE	4646	3	Delivering Exercise to the Aging: a continuum from evidence-based knowledge to clinical application. Students first review current knowledge of age-related physiological, social and psychological changes confronting individual and population health. Next studied are the attenuating effects of exercise. Finally, students apply the Knowledge Translation framework to design a program to meet the needs of an aging cohort in their community. Prerequisite: HH/KINE 1020 6.00 Pre/Corequisite: HH/KINE 4010 3.00.	en	**SDG 3 Good Health and Well-Being**		
Psychology of Health and Chronic Disease	Faculty of Health	KINE	4710	3	Explores the role of psychological variables in the development, progression and treatment of chronic diseases such as coronary heart disease, cancer and AIDS. Other critically reviewed topics include stress, substance abuse (smoking and alcohol), and injury and violence. Prerequisite: HH/PSYC 1010 6.00. Course credit exclusions: HH/PSYC 3170 3.00.	en	**SDG 3 Good Health and Well-Being**		
Secondary Prevention of Heart Disease: Cardiac Rehabilitation in a Global Context	Faculty of Health	KINE	4720	3	Examines the secondary prevention of cardiovascular disease from a behavioural, psychosocial and health services lens. Major emphasis is placed on cardiac rehabilitation, with regard to delivery, effects on health outcomes, and equitable access. Development of cardiac rehabilitation in low-resource settings, and global efforts in control of non-communicable diseases will also be examined. Corequisite: HH/GH 2100 3.00 or HH/IHST 2100 3.00 or HH/KINE 2049 3.00 or HH/NURS 3515 3.00 Cross-listed to: HH/GH 4720 3.00, HH/NURS 4700 3.00Course Credit Exclusions: HH/IHST 4720 3.00	en	**SDG 3 Good Health and Well-Being**		
Psychology of Sport Injury and Rehabilitation	Faculty of Health	KINE	4740	3	This course deals with the psychosocial aspects of sport injury. Through this course, the students gain an understanding of the psychological and sociological aspects of sport injury, the impact of pain, and the psychological implications of long term rehabilitation. Psychological interventions are highlighted within case histories and a return to an active lifestyle is the goal of the interventions. Prerequisite: HH/PSYC 1010 6.00.	en	**SDG 3 Good Health and Well-Being**		

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Exercise Therapy for Chronic Diseases	Faculty of Health	KINE	4900	3	An overview of the use of exercise and physical activity in the evaluation and treatment of a variety of chronic diseases and disabilities. Prerequisite: HH/KINE 4010 3.00.	en	**SDG 3 Good Health and Well-Being**		
Applied Human Anatomy and Physiology for Health Professionals II	Faculty of Health	KINE	1102	3	Introduces the learner to the foundations of anatomy and physiology, within the context of the health practitioner. This course takes a systemic approach to learning human anatomy and physiology and content includes an overview of the structure, function, and organization of the human body from the cellular level to organ systems, and explores each major organ system, with a focus on maintaining homeostasis and clinical applications. Part II focuses on the cardiovascular, respiratory, digestive, renal, reproductive, endocrine and immune systems.Course Credit Exclusions: HH/IHST 1002 3.00, HH/KINE 2031 3.00, HH/KINE 2011 3.00, HH/NATS 1650 6.00Not open to: Kinesiology major students; Global Health major studentsNote: This will be a core course for students in the 4-Year Direct Entry BScN nursing degree program so the majority of spaces will be reserved for those students.	en	**SDG 3 Good Health and Well-Being**		
Psychology of Physical Activity and Health	Faculty of Health	KINE	3000	3	An overview of the theoretical frameworks and psychological principles related to physical activity, exercise and sport. Prerequisites: HH/KINE 1000 6.00; HH/KINE 1020 6.00; HH/KINE 2049 3.00; HH/KINE 2050 3.00; HH/PSYC 1010 6.00.	en	**SDG 3 Good Health and Well-Being**		
Physiology of Aging	Faculty of Health	KINE	3349	3	Describes the physiology of normal aging. This includes the aging of: cells, organs, bones and joints, muscle and fat, skin, circadian rhythm, nervous system and brain, cardiorespiratory system, and the gastrointestinal and renal systems. The course will introduce some pathophysiology often seen with aging but will highlight that aging does not necessitate development of disease. Prerequisite: HH/KINE 3012 3.00	en	**SDG 3 Good Health and Well-Being**		
Nutrition and Human Diseases	Faculty of Health	KINE	4140	3	This course discusses nutrition as it affects muscle and human health. It discusses: nutrition and the immune system; nutrition and aging; ethnic nutrition and health; nutrition and the health of skeletal muscle; food and drug interaction; and nutrition in the treatment and prevention of selected human diseases including myopathies, cancer, cardiovascular disease, osteoporosis, and diabetes. Prerequisite: HH/KINE 4020 3.00.	en	**SDG 3 Good Health and Well-Being**		

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Principles of Neurorehabilitation	Faculty of Health	KINE	4226	3	Examines principles and clinical best practices for implementation of neurorehabilitation strategies following neurologic injury. Introduces processes of neuroplasticity and repair and the use of assistive technologies to facilitate neurorehabilitation interventions for upper and lower limb motor deficits. Prerequisites: HH/KINE 3020 3.00Open to: Student majoring in Kinesiology and Health Science, Nursing, Psychology, BiologyNote: Students must be available to engage 1.5 hours of off-campus group activity with a neurorehabilitation clinician/ researcher.	en	**SDG 3 Good Health and Well-Being**		
Neuronal development for activity and health	Faculty of Health	KINE	4230	3	Analyzes the cellular, molecular and physiological processes underlying neuronal and neuromuscular development in health and disease. Prerequisite: HH/KINE 3012 3.00.	en	**SDG 3 Good Health and Well-Being**		
Relaxation II: Research and Application	Faculty of Health	KINE	4421	3	This course reviews the research and application of self-regulation strategies (relaxation, biofeedback, imagery, cognitive restructuring and attention control) for performance and health enhancement. Three lecture hours per week. One term. Prerequisite: AS/HH/KINE 4420 3.00. Course credit exclusions: None.	en	**SDG 3 Good Health and Well-Being**		
Advanced Exercise Physiology: Muscle	Faculty of Health	KINE	4440	3	Advanced topics in exercise physiology and biochemistry, including energy metabolism, fatigue, skeletal muscle physiology, adaptations to exercise and training. Applications of exercise to disease states, animal laboratories, and discussions of original research articles in exercise physiology. Prerequisite: HH/KINE 4010 3.00.	en	**SDG 3 Good Health and Well-Being**		
Advanced Human Physiology: Endocrinology	Faculty of Health	KINE	4448	3	An overview of human endocrinology at the physiological, biochemical and molecular levels, with an emphasis on health, disease, exercise and adaptation. Prerequisite: HH/KINE 4010 3.00. Course credit exclusions: SC/BIOL 4320 3.00.	en	**SDG 3 Good Health and Well-Being**		
Advanced Human Physiology: The Respiratory System in Health and Disease	Faculty of Health	KINE	4449	3	This course guides the students through advanced concepts in respiratory physiology. The course discusses the structure, function and regulation of the respiratory system during physiological stresses and in the context of chronic diseases through the analysis of molecular and integrative physiology approaches. Prerequisite: HH/KINE 3012 3.00	en	**SDG 3 Good Health and Well-Being**		
Low Back Performance and Disorders	Faculty of Health	KINE	4472	3	Introduces evidence-based exercises and strategies for optimal low back function, injury prevention, and rehabilitation. This advanced biomechanics course develops a strong foundation of anatomy, normal and injury mechanics, and motor control. Multidisciplinary issues related to low back performance and disorders are examined; including psychological, physiological, legislative, neuromuscular, and biomechanical. Theories applied and practiced during labs. Prerequisites: HH/KINE 3020 3.00, HH/KINE 3030 3.00.	en	**SDG 3 Good Health and Well-Being**		

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Doctors, Trainers and Drugs: The Socio-Cultural Study of Sports and Medicine	Faculty of Health	KINE	4495	3	Introduces students to the socio-cultural study of risk, violence, pain/injury tolerance and medicine in sport. This includes the historical development and social organization of sports medicine, as well as performance enhancement in sport. Prerequisite: HH/KINE 1000 6.00. Note: This course does not count for science credit.	en	SDG 3 Good Health and Well-Being		
Neural Control of Movement	Faculty of Health	KINE	4500	3	This neuroscience course reviews fundamental concepts of movement control, with an emphasis on the brain mechanisms underlying motor behaviour. Topics include walking, looking, reaching, posture and complex skill coordination. Movement control concepts will be used to understand the neural basis of symptoms associated with motor disorders such as Parkinson's disease, ataxia, Lou Gehrig's disease, muscular dystrophy, and stroke. Prerequisite: HH/KINE 3020 3.00 or HH/SC NRSC 2100 3.00 or permission of the Instructor.	en	SDG 3 Good Health and Well-Being		
Fitness and Health	Faculty of Health	KINE	1020	6	An examination of the components and principles of fitness and health with particular attention to the evaluation and modification of fitness and health status.	en	SDG 3 Good Health and Well-Being		
Experiential Field Placement in Athletic Therapy	Faculty of Health	KINE	4592	4	Provides students the knowledge and experience to offer evidence-based Athletic Therapy services and develop/implement sport injury prevention and management programs to special populations. Students will demonstrate Athletic Therapy skills including emergency action planning, clinical and field assessment and treatment, exercise prescription, and concussion management. Students will develop and demonstrate these skills in a field placement setting. Prerequisite: Permission of Instructor around corequisites and experience/qualifications. Corequisite: HH/KINE 4590 6.00. Notes: 1) Students will be responsible for arranging their own transportation to and from the placement. 2) Students must be in their last year of the Athletic Therapy Certificate Program and must have a current Vulnerable Sector Screening clearance letter.	en	SDG 3 Good Health and Well-Being		
Social Determinants of Physical Activity and Health in Canada	Faculty of Health	KINE	4485	3	Introduces students to the political, economic and social factors that shape health, physical activity and sport opportunities and experiences of individuals and communities in Canada. Prerequisite: HH/KINE 1000 6.00. Note: This course does not count for science credit.	en	SDG 8 Decent Work and Economic Growth	SDG 3 Good Health and Well-Being	

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Athletic Therapy Head, Trunk & Spine Inquiry-Based Tutorial	Faculty of Health	KINE	3500	3	Provides students with knowledge relating to sport, anatomy, biomechanics, epidemiology, pathophysiology, evaluation, management and communication. Classroom focused experiential education through small group discussions of head, trunk and spine related clinical case studies will be utilized to promote learning, research and critical thinking in five domains including prevention, assessment, intervention, practice management and professional responsibility. Prerequisites: HH/KINE 2502 3.00, HH/KINE 2503 3.00 Corequisites: HH/KINE 3501 3.00 Open to: Athletic Therapy Certificate Program Students within Kinesiology and Health Science	en	**SDG 4 Quality Education**	**SDG 3 Good Health and Well-Being**	
Athletic Therapy Head Trunk and Spine Seminar and Skills	Faculty of Health	KINE	3501	3	Provides students with knowledge relating to professional practice issues and management within Athletic Therapy. Topics will relate to the concepts of the head, trunk and spine care aspect in Athletic Therapy. The course includes classroom focused experiential education through practical lab sessions, guest speakers and case studies. The course provides students with the required psychomotor and communication skills relating to head, trunk and spine related case studies discussed in the Athletic Therapy Head, Trunk and Spine Inquiry-Based Tutorial. Skills will include (but are not limited to) functional/surface anatomy, taping/support techniques, clinical orthopaedic evaluation and tests, electrotherapeutic modality application, manual therapies, and therapeutic exercise. Lab-based activities such as role-playing, mini-case study analysis, simulations and reflection will be integrated. Prerequisites: HH/KINE 2502 3.00, HH/KINE 2503 3.00 Corequisites: HH/KINE 3500 3.00 Open to: Athletic Therapy Certificate Program Students within Kinesiology and Health Science	en	**SDG 4 Quality Education**	**SDG 3 Good Health and Well-Being**	
Athletic Therapy Extremities Inquiry-Based Tutorial	Faculty of Health	KINE	2502	3	Provides students with knowledge relating to sport, anatomy, biomechanics, epidemiology, pathophysiology, evaluation, management and communication. Classroom focused experiential education through small group discussions of extremity related clinical case studies will be utilized to promote learning, research and critical thinking in five domains including prevention, assessment, intervention, practice management and professional responsibility. Prerequisites: HH/KINE2500 3.00, HH/KINE2501 3.00 Corequisites: HH/KINE2503 3.00 Open to: Athletic Therapy Certificate Program Students within Kinesiology and Health Science	en	**SDG 4 Quality Education**	**SDG 3 Good Health and Well-Being**	

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Athletic Therapy Extremities Seminar and Skills	Faculty of Health	KINE	2503	3	Provides students with knowledge relating to professional practice issues and management within Athletic Therapy. Topics will relate to the principles and concepts of the clinical extremities care aspect in Athletic Therapy. The course includes classroom focused experiential education through practical lab sessions, guest speakers and case studies. The course provides students with the required psychomotor and communication skills relating to extremity related case studies discussed in the Athletic Therapy Extremity Inquiry-Based Tutorial. Skills will include (but are not limited to) functional/surface anatomy, taping/support techniques, clinical orthopaedic evaluation and tests, electrotherapeutic modality application, manual therapies, and therapeutic exercise. Lab-based activities such as role-playing, mini-case study analysis, simulations and reflection will be integrated. Prerequisites: HH/KINE2500 3.00, HH/KINE2501 3.00 Corequisites: HH/KINE 2502 3.00 Open to: Athletic Therapy Certificate Program Students within Kinesiology and Health Science	en	**SDG 4 Quality Education**	**SDG 3 Good Health and Well-Being**	
Athletic Therapy Upper & Lower Quadrant Seminar and Skills	Faculty of Health	KINE	3503	3	Provides students with knowledge relating to professional practice issues and management within Athletic Therapy. Topics will relate to the concepts of the upper & lower quadrant care aspect in Athletic Therapy. The course includes classroom focused experiential education through practical lab sessions, guest speakers and case studies. The course provides students with the required psychomotor and communication skills relating to upper & lower quadrant related case studies discussed in the Athletic Therapy Upper & Lower Quadrant Inquiry-Based Tutorial. Skills will include (but are not limited to) functional/surface anatomy, taping/support techniques, clinical orthopaedic evaluation and tests, electrotherapeutic modality application, manual therapies, and therapeutic exercise. Lab-based activities such as role-playing, mini-case study analysis, simulations and reflection will be integrated. Prerequisites: HH/KINE3500 3.00, HH/KINE3501 3.00 Corequisites: HH/KINE3502 3.00 Open to: Athletic Therapy Certificate Program Students within Kinesiology and Health Science	en	**SDG 4 Quality Education**	**SDG 3 Good Health and Well-Being**	

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Athletic Therapy Integrative Seminar & Skills	Faculty of Health	KINE	4593	3	Provides students with the required knowledge, psychomotor and communication skills relating to advanced integrative related case studies discussed in the field of Athletic Therapy. The course includes classroom focused experiential education through practical lab sessions, guest speakers and case studies. Skills will include (but are not limited to) functional/surface anatomy, taping/support techniques, clinical and field orthopaedic evaluation and tests, electrotherapeutic modality application, manual therapies, therapeutic exercise, and return to sport skills and decisions. Lab-based activities such as role-playing, mini-case study analysis, simulations and reflection will be integrated. Prerequisites: HH/KINE 3502 3.00, HH/KINE 3503 3.00 Corequisites: HH/KINE 4592 6.00 Open to: Athletic Therapy Certificate Program Students within Kinesiology and Health Science	en	**SDG 4 Quality Education**	**SDG 3 Good Health and Well-Being**	
Mathematical Epidemiology	Faculty of Graduate Studies	MATH	6936	3	This course will cover the basic tools required to critically read modelling papers and to develop and use models as research tools. Models of infectious disease; threshold conditions for epidemic outbreaks, the basic reproductive rate of a disease; vaccination strategies to control infection. Emphasis will be placed on setting up and utilizing mathematical models to understand infectious disease processes and to evaluate potential control strategies. This course will provide an opportunity for students who are interested in using mathematical modelling techniques to study the transmission dynamics of infectious disease on a population level. The course will help to develop modelling, analytical and computational expertise in both continuous time and discrete time dynamical models for the study of infectious diseases. Prerequisites: Atkinson/Arts/Science Mathematics & Statistics 2270 3.0: "Differential equations or equivalent and some numerical skills" or equivalent and familiarity with Maple or Matlab or Mathematica	en	**SDG 3 Good Health and Well-Being**		
Mathematical Biology	Faculty of Science	MATH	3250	3	Introduces the student to mathematical modelling with applications in biology in related fields such as chemistry, ecology and health. There is an emphasis on case studies and problem solving skills. Topics include discrete and continuous models describing population dynamics, population health, chemical reactions and biological structures. Prerequisites: Registration in an Honours Program in Mathematics and Statistics, completion of the SC/MATH core and SC/CSE 1560 3.00 or LE/EECS 1560 3.00 or permission of the Instructor.	en	**SDG 3 Good Health and Well-Being**		
Communication, Health and Environment	Glendon College	NATS	1605	6	This course connects the three areas of communication, health and environment by exploring the interrelationships between human health and the health of natural and socio-economic environments. It also addresses the influence of mass communication in relation to public policy pertaining to human and ecosystem health. Throughout the course, the sustainability concept is used as a guiding principle.	en	**SDG 3 Good Health and Well-Being**		

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Heredity and Society	Glendon College	NATS	1770	6	A study of genetic variation in individuals and populations and the genetic basis of evolution. Specific attention is focused on human genetic knowledge and technology.	en	SDG 3 Good Health and Well-Being		
The Living Body	Faculty of Science	NATS	1610	6	Some aspects of human biology, including structure and function, reproduction, physiology, genetics and a study of some human diseases. Laboratories are self-paced involving demonstrations, experiments and observations. Course credit exclusions: SC/NATS 1650 6.00, SC/NATS 1660 6.00, SC/NATS 1675 6.00, SC/NATS 1690 6.00. NCR: any student who has passed or is taking SC/BIOL 1000 3.00, SC/BIOL 1001 3.00 or SC/BIOL 1010 6.00.	en	SDG 3 Good Health and Well-Being		
Concepts in Human Health and Disease	Faculty of Science	NATS	1670	6	Examines health threats from a biological perspective, with focus on issues that are relevant to the 20-30 age group. For example: immunological, bacterial, viral and genetic diseases from a multidisciplinary perspective. NCR: any student who has passed or is taking SC/BIOL 1000 3.00, SC/BIOL 1001 3.00 or SC/BIOL 1010 6.00.	en	SDG 3 Good Health and Well-Being		
Human Development	Faculty of Science	NATS	1675	6	Biological development of the human being including the formation of germ cells, fertilization, embryological development, transmission of genetic and chromosomal characteristics and the structure of growing tissues. Emphasis may be placed on child development, learning, human evolution or aging. Course credit exclusions: SC/NATS 1610 6.00, SC/NATS 1650 6.00, SC/NATS 1660 6.00, SC/NATS 1690 6.00. NCR: any student who has passed or is taking SC/BIOL 1000 3.00, SC/BIOL 1001 3.00 or SC/BIOL 1010 6.00.	en	SDG 3 Good Health and Well-Being		
Human Anatomy for the Fine Arts	Faculty of Science	NATS	1650	6	An introductory course on the structure and function of the human body specifically oriented towards the needs of students in Fine Arts. Body systems are studied from anatomical, physiological and biomechanical perspectives. Included as well are on-going references to nutrition, athletic injuries, and health and wellness. Course credit exclusions: HH/KINE 2031 3.00, SC/NATS 1610 6.00, SC/NATS 1660 6.00, SC/NATS 1690 6.00. NCR: any student who has passed or is taking SC/BIOL 1000 3.00, SC/BIOL 1001 3.00 or SC/BIOL 1010 6.00.	en	SDG 3 Good Health and Well-Being		
Fundamental Molecular and Cellular Neuroscience	Faculty of Health	NRSC	2000	3	Survey of the key areas of neuroscience including a historic perspective, gross anatomy and histology of the nervous system, development of the nervous system, molecular and cellular neuroscience, and neurological disorders. Introduces methodologies of research and experimentation in neuroscience. Prerequisites: SC/BIOL 1000 3.00; SC/BIOL 1001 3.00; HH/PSYC 1010 6.00 Open to: Honours and Specialized Honours BSc students Cross-listed to: SC/NRSC 2000 3.00	en	SDG 3 Good Health and Well-Being		

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Molecular and Cellular Neurobiology	Faculty of Health	NRSC	3000	3	Explores the molecular, structural and cellular basis of complex brain functions focusing on perception, learning and memory. Discuss technological advances in areas of genome engineering, optogenetics, imaging and animal models used in the field. Examples of human neurological disease conditions are used whenever appropriate to exemplify the consequences of sensory deficiencies in the nervous system. Prerequisites: HH/NRSC 2000 3.00 or SC/NRSC 2000 3.00 and HH/NRSC 2100 3.00 or SC/NRSC 2100 3.00 Corequisites: HH/NRSC 2200 3.00 or SC/NRSC 2200 3.00 Open to: Honours and Specialized Honours BSc students Cross-listed to: SC/NRSC 3000 3.00	en	**SDG 3 Good Health and Well-Being**		
Neuroscience Techniques	Faculty of Health	NRSC	2200	3	Provides students with an overview of and exposure to experimentation techniques and methodologies in the fields of systems and cognitive, cellular and molecular, and computational and theoretical neuroscience. These could include any of the following: EEG, fMRI, behavioural methods such as psychophysics and eye/body tracking, electrophysiology, patch and dynamic clamp, transgenic mouse technology, molecular imaging, neuronal coding and communication, neuronal networks, and brain-machine interfaces. Prerequisites: HH/NRSC 2000 3.00 or SC/NRSC 2000 3.00; HH/NRSC 2100 3.00 or SC/NRSC 2100 3.00 Corequisites: HH/NRSC 2100 3.00 or SC/NRSC 2100 3.00 Open to: Honours and Specialized Honours BSc students Cross-listed to: SC/NRSC 2200 3.00	en	**SDG 3 Good Health and Well-Being**		
Qualitative Research Methods in Nursing Science	Faculty of Graduate Studies	NURS	5200	3	This course focuses on the conceptual, ethical, and methodological dimensions of qualitative nursing research. Emphasis is on the ontological-epistemological-methodological links in the research process. Selected qualitative nursing research methods are analyzed and critiqued and a qualitative research proposal is developed.	en	**SDG 3 Good Health and Well-Being**		
Quantitative Research Methods in Nursing	Faculty of Graduate Studies	NURS	5300	3	Focuses on acquisition and application of fundamental concepts, methods, and procedures of quantitative nursing research required to develop a research proposal including but not limited to: developing researchable questions and designing research selecting appropriate methods and analysis strategies.	en	**SDG 3 Good Health and Well-Being**		
Advanced Health Assessment and Diagnosis I"	Faculty of Graduate Studies	NURS	5830	3	Analyzes and critiques concepts and frameworks essential to advanced health assessment and diagnosis using clinical reasoning skills. Applies clinical, theoretical and research knowledge in relation to comprehensive and focused health assessment for the individual client¬ís diagnostic plan of care./Pre- or Corequisite 5810 3.0	en	**SDG 3 Good Health and Well-Being**		

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Therapeutics in Primary Health Care I"	Faculty of Graduate Studies	NURS	5850	3	Critically appraises and interprets concepts and frameworks integral to pharmacotherapy, advanced counselling, and complementary therapies for common conditions across the lifespan. Develops, initiates, manages, and evaluates therapeutic plans of care that incorporate client values and acceptability, goals of therapy, analysis of different approaches, pharmacotherapeutic principles./Co- or prerequisite: Nursing 5830 3.0 and 5810 3.0	en	**SDG 3 Good Health and Well-Being**		
Advanced Health Assessment and Diagnosis II	Faculty of Graduate Studies	NURS	5840	3	Integrates knowledge and apply conceptual frameworks integral to advanced health assessment and diagnosis in advanced nursing practice. Demonstrates initiative, responsibility, and accountability in complex decision making for individuals, groups, and/or families within the nurse practitioner scope of practice based on current research findings./Prerequisite: Nursing 5830 3.0	en	**SDG 3 Good Health and Well-Being**		
Therapeutics in Primary Health Care II	Faculty of Graduate Studies	NURS	5860	3	Integrates conceptual frameworks and evidence underlying the study of pharmacotherapy, advanced counselling, and complementary therapies for complex client situations. Demonstrates substantive initiative, responsibility, and accountability in complex decision making./Prerequisite: Nursing 5850 3.0/Corequisite: Nursing 5840 3.0	en	**SDG 3 Good Health and Well-Being**		
Pathophysiology for Nurse Practitioners	Faculty of Graduate Studies	NURS	5810	3	Examines the concepts of pathophysiology which guide the practice of advanced nursing practice. Explores pathophysiological changes in individuals in a primary health care setting by taking into account their age, acuity, chronicity, and evolution of the conditions	en	**SDG 3 Good Health and Well-Being**		
Primary Health Care Nurse Practitioner Roles and Responsibilities	Faculty of Graduate Studies	NURS	5820	3	Compares and contrasts advanced practice nursing and related frameworks to develop, integrate, sustain, and evaluate the role of the nurse practitioner within primary health care. Critically analyzes and develops strategies to implement advanced practice nursing competencies with a community focus.	en	**SDG 3 Good Health and Well-Being**		
Reflection and Relational Practice in Professional Nursing	Faculty of Health	NURS	1510	3	Introduces nursing as a self-regulated health profession that is guided by theory, research and standards of practice. Learners explore professional identity as a nurse, relational practice, reflection, self-awareness, the meaning of health and the nature of collaborative practice in Canada. Use of clinical examples supports the development of writing and oral skills for self-reflection and communication in nursing. Corequisite: HH/NURS 1542 3.00 Open to: BScN students in the 4-year Direct Entry program only. Notes: A minimum grade of 5.00 (C+) is required for this course in the BScN program.	en	**SDG 3 Good Health and Well-Being**		

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Health and Well-Being	Faculty of Health	NURS	1542	3	Introduces nursing therapeutics through concepts of health and wellness for clients across the lifespan. Provides the theoretical and evidence informed basis for basic nursing practices with the opportunity for students to apply knowledge and skills through various experiences in simulation and laboratory settings. Co-requisite(s): HH/NURS 1510 3.00. Open to: BScN students in the 4-year Direct Entry program. Note: A minimum grade of 5.00 (C+) is required for this course in the BScN program.	en	**SDG 3 Good Health and Well-Being**		
Health Assessment	Faculty of Health	NURS	1543	3	Utilizes theory and practice of health assessment and therapeutic communication to support students' demonstration of focused history-taking and physical examination skills. Focused assessments skills include physical, psychosocial and other related aspects for clients across the lifespan. Inherent safety considerations, biases and assumptions embedded in traditional client assessments will be discussed and practiced in laboratory settings. Prerequisite: Prerequisites for 4-year Direct Entry BScN students: HH/NURS 1542 3.00, HH/KINE 1101 3.00. Open to: students in the BScN programs. Note: A minimum grade of 5.00 (C+) is required in this course in the BScN program.	en	**SDG 3 Good Health and Well-Being**		
Statistical Methods in Healthcare Research	Faculty of Health	NURS	2300	3	Introduces the concepts of quantitative data analysis within the context of nursing research. Focuses on understanding and interpreting research results through examination of nursing research. Examines the fit between research purpose and results, and results and implications for nursing practice. Course credit exclusions: HH/PSYC 2021 3.00, HH/KINE 2050 3.00. Open to: students in the Post RN IEN BScN program. Note 1: Recommend HH/NURS 2300 3.00 be completed prior to or concurrently with HH/NURS 3300 3.00 or equivalent. Note 2: A minimum grade of 5.00 (C+) is required in this course for the BScN degree.	en	**SDG 3 Good Health and Well-Being**		
The Canadian Health Care System	Faculty of Health	NURS	3001	3	Examines components of the Canadian healthcare system, roles of governments and professional health organizations, contemporary issues of safety, cost control, organization and delivery of health services. Students identify how the relationships among healthcare professionals, and the levels of the health system impact the health of Canadians. Expression of ideas through scholarly writing is supported. Course Credit Exclusion: HH/NURS 4710 3.00 Open to: 2nd Entry and Post-RN IEN BScN students Note: A minimum grade of 5.00 (C+) is required for this course in the BScN program.	en	**SDG 3 Good Health and Well-Being**		
Health and Healing: Promoting Health and Healing with Individuals and Families	Faculty of Health	NURS	3130	3	Philosophies and theories of health promotion and healing are critically examined. Students explore the meaning of health promotion with individuals in families, within a caring-healing perspective. Note: A minimum grade of 5.00 (C+) is required in this course for the BScN degree.	en	**SDG 3 Good Health and Well-Being**		

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Evidence-informed Nursing Practice: Research and Inquiry	Faculty of Health	NURS	3515	3	Introduces students to nursing and health research and evidence informed practice (EIP). Students examine qualitative and quantitative research designs and methods used in nursing and healthcare knowledge development and are introduced to models of EIP. Students learn to critique research in order to determine the applicability and usefulness of research findings to the provision of high-quality nursing and health care. Prerequisites: Prerequisites for 4-year Direct Entry: HH/PSYC 2021 3.00. Prerequisite for Post-RN IEN BScN students: HH/NURS 2300 3.00. Course Credit Exclusion: HH/NURS 3300 3.00, AP/ADMS 2300 6.00. Open to students in the BScN programs. Note 1: A minimum grade of 5.00 (C+) is required for this course in the BScN program.Note 2: Students admitted prior to Fall 2022 will be expected to meet the course prerequisite requirements that were in effect at the time that they were admitted to their respective undergraduate program. Please see reference to this in the program descriptions, as applies.	en	**SDG 3 Good Health and Well-Being**		
Health and Healing: Client Centred Care of Individuals and Families in Child and Mental Health Settings	Faculty of Health	NURS	3524	6	Emphasizes planning and implementing caring/healing and health promotion activities with culturally diverse individuals and families in child health and mental health settings. A specific human science theory informs the construction and interpretation of client-centred approaches to care in each setting. Integrates current theory drawn from both within and outside of nursing with opportunities for clinical application through practicum placements. Prerequisites: HH/NURS 2523 6.00, HH/NURS 2534 3.00, HH/NURS 2512 3.00, HH/NURS 2513 3.00, HH/NURS 4525 6.00 (for second Entry BScN students only). Students who failed to achieve the minimum grade of 5.00 (C+) in course prerequisites will be ineligible to proceed/withdrawn from this course. Course Credit Exclusion: HH/NURS 3910 6.00. Open to: Students in the York-Seneca-Georgian Collaborative and 2nd Entry BScN Programs. Note: Students need to pass both classroom and both practicum components in order to pass the course. Students must provide their own transportation to practicum placements.	en	**SDG 3 Good Health and Well-Being**		

York University 2022 Course Inventory - SDG 3

Clinical Decision-Making in Nursing Practice	Faculty of Health	NURS	3780	3	Extends the foundational preparation of the nursing process to explore theoretical frameworks influencing nurse decision-making in health care settings. Analyzes the nature of novice-to-expert thinking patterns, and the challenges for its development in entry level nursing practice. Applies concepts of clinical reasoning and judgment to complex and varied nursing care scenarios, and critiques person-centred outcomes in relation to safe and effective care. Prerequisites: For second Entry BScN students - completion of all 2000-level courses; For Collaborative BScN students- Completion of first- and second-year courses. Open to: BScN student only. Note 1: May be offered in face to face, or blended format; mandatory lab component. Note 2: A minimum grade of 5.00 (C+) is required in this course for the BScN degree.	en	**SDG 3 Good Health and Well-Being**		
Development of Self as Nurse: Advanced Professional Issues	Faculty of Health	NURS	4516	3	Prepares students for transitioning into the workforce by examining the context of nursing practice within the Canadian health care system, analyzing current workplace and professional issues which influence nurses' roles in health care, and developing skills related to seeking employment. Prerequisite: HH/NURS 3514 3.00. Prerequisite or corequisite for Collaborative students: HH/NURS 4525 6.00, HH/NURS 4526 6.00. Prerequisites or corequisites for second Entry students: HH/NURS 4525 6.00, HH/NURS 3524 6.00. Note: A minimum grade of 5.00 (C+) is required in this course for the BScN degree.	en	**SDG 3 Good Health and Well-Being**		
Health and Healing: Client Centred Care of Individuals and Families in Homes and Acute Settings	Faculty of Health	NURS	4526	6	Integrates the theoretical and practice components of family/client-centred nursing care with clients experiencing acute or chronic health challenges. Through classroom and practicum experiences, students expand their knowledge of the therapeutic role of nursing care of individuals and families in homes and acute care settings. Prerequisite: HH/NURS 3524 6.00. Prerequisites or corequisites: HH/NURS 3514 3.00, HH/NURS 3515 3.00. Students who failed to achieve the minimum grade of 5.00 (5.00 (C+)) in course prerequisites will be ineligible to proceed/withdrawn from this course. Course credit equivalent: HH/NURS 4130 6.00. Open to: Students in the York-Seneca-Georgian Collaborative BScN Program. Note: Students need to pass both classroom and practicum components in order to pass the course. Students are responsible for their own transportation to and from practice placements	en	**SDG 3 Good Health and Well-Being**		

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Health and Healing: Global Context of Nursing	Faculty of Health	NURS	4546	3	Focuses on global issues and trends related to present and future scenarios of human and planetary health. Caring, the central concept in nursing is explored within the global context. Nurses' roles, responsibilities and actions are examined in relation to the promotion of global health. Prerequisites or corequisites for BScN program: all 3000-level courses. Post-RN Course credit exclusion: HH/NURS 4100 3.00 (prior to Fall 2012). Open to: students in the York BScN program. Note: A minimum grade of 5.00 (C+) is required in this course for the BScN degree.	en	**SDG 3 Good Health and Well-Being**		
The Canadian Health Care System	Faculty of Health	NURS	4710	3	The components of the Canadian health care system; roles played by governments, professional organizations; contemporary issues of cost control; organization and delivery of health services. Prerequisite: For BScN students HH/NURS 3300 3.00 or HH/NURS 2700 6.00; for students in other programs AP/ADMS 2300 6.00 or equivalent or permission of the Instructor. Note: A minimum grade of 5.00 (C+) is required in this course for the BScN degree.	en	**SDG 3 Good Health and Well-Being**		
Ethics and Health Equity in Interprofessional Practice	Faculty of Health	NURS	2513	3	Focuses on bioethical theories, health equity, and related concepts and current issues relevant to nursing and other health professionals' practice. Reflection on self-beliefs and the meaning of collaboration with various clients and other practitioners occurs in the context of ethical decision making and the application of various ethical frameworks. The impact on client health and autonomy are explored. Prerequisites: Prerequisites for 4-year Direct Entry BScN students: HH/NURS 1511 3.00. Prerequisites for 2nd Entry BScN students: HH/NURS 1512 3.00. Course Credit Exclusion(s): HH/NURS 3400 3.00. Open to: Students in the BScN programs, and by permission to Faculty of Health students. Note: A minimum grade of 5.00 (C+) is required for this course for in the BScN program.	en	**SDG 3 Good Health and Well-Being**		
Pathophysiology, Pharmacological and Knowledge Integration I	Faculty of Health	NURS	2535	3	Introduces the mechanisms of disease, alterations in function, resultant clinical manifestations and selected treatment interventions required in nursing care of the client. Underlying concepts are examined for the impact on the structure and function of the body. Principles of pharmacokinetics and pharmacodynamics and examples of pharmacological interventions are introduced. Application of pathophysiology and pharmacology to nursing practice will be examined. Prerequisite for 4-year Direct Entry: HH/KINE 1102 3.00 Open to: Students in the 4-year Direct Entry and 2nd Entry BScN ProgramsNote: A minimum grade of 5.00 (C+) is required for this course in the BScN program.	en	**SDG 3 Good Health and Well-Being**		

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Partnering with Communities	Faculty of Health	NURS	3510	6	Develops knowledge and skill in the process of partnering with communities to address health inequities. Using knowledge of population health, primary health care, community development, critical health promotion, social determinants of health and CHNC standards of practice, the roles, ethics and approaches related to community health nursing practice are explored in the classroom and applied in a preceptored community-based practicum. Prerequisites: Prerequisite for 4-year Direct Entry BScN students: HH/NURS 2514 3.00, HH/NURS 2547 6.00. Prerequisite for 2nd Entry students: HH/NURS 2543 3.00, HH/NURS 3515 3.00. Prerequisite for Post-RN IEN BScN program students: HH/NURS 2543 3.00 Course Credit Exclusions: HH/NURS 4525 6.00, HH/NURS 4120 6.00, AK/NURS 4140 6.00 (prior to Summer 2005)Open to: BScN students only Note 1: Students need to pass both practicum and classroom components in order to pass the course and are responsible for providing their own transportation to and from the practicum sites. Note 2: A minimum grade of 5.00 (C+) is required for this course in the BScN program. Note 3: Enrolled students who failed to achieve the minimum grade of 5.00 (C+) in course prerequisites will be ineligible to proceed/withdrawn from this course.	en	**SDG 3 Good Health and Well-Being**		
Leadership Development: Part I	Faculty of Health	NURS	3770	3	This course focuses on nursing management roles and functions, organizational structure and processes and the management of human resources in a variety of health care settings. Prerequisites: For students in the collaborative BScN program, HH/NURS 3040 3.00; for students in the Post-RN BScN program, HH/NURS 3010 3.00. Note: A minimum grade of 5.00 (C+) is required in this course for the BScN degree.	en	**SDG 3 Good Health and Well-Being**		
Pharmacological and Non-pharmacological Practices	Faculty of Health	NURS	3901	3	Emphasizes the professional nursing role in administration and evaluation of therapeutic interventions including harmacological and non-pharmacological practices in the Canadian healthcare context. A review of drug classes, pharmacokinetics, pharmacodynamics and specific nursing therapeutic regimens, as well as issues of medication safety and health system informatics, are presented. Examines evidence informed standards and policy for safe and competent nursing practice. Open to Post-RN IEN BScN students. Note: A minimum grade of 5.00 (C+) is required for this course in the BScN program.	en	**SDG 3 Good Health and Well-Being**		

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Health & Healing: Integrated Nursing Science Practicum	Faculty of Health	NURS	4527	9	Intensive practice experience in a variety of traditional and non-traditional nursing settings. Synthesizes previous knowledge to help students articulate a framework for professional and clinical practice. This course totals 432 practicum experience hours. Prerequisites: Successfully earned (completed) all prior BScN program courses. Corequisite: HH/NURS 4528 3.00. Students who failed to achieve the minimum grade of 5.00 (C+) in course prerequisites will be ineligible to proceed/withdrawn from this course. Course credit exclusions: HH/NURS 4110 9.00, HH/NURS 4900 9.00. Only open to: Collaborative and second Entry BScN students. Notes: Students must successfully complete both HH/NURS 4527 9.00 and HH/NURS 4528 3.00 concurrently in order to be recognized with a passing grade or credit in either course. Students are responsible for their own transportation to and from practicum sites.	en	**SDG 3 Good Health and Well-Being**		
Minds, Brains and Machines	Faculty of Liberal Arts & Professional Studies	PHIL	2160	3	An introduction to the study of human cognition and the interdisciplinary field of cognitive science. Questions covered include: What is artificial intelligence? Is it possible that we will someday build computers that think? Does language affect thought? Do we think in language or pictures? How is conscious experience related to the brain?	en	**SDG 3 Good Health and Well-Being**		
Philosophy of Psychology	Faculty of Liberal Arts & Professional Studies	PHIL	3260	3	An examination of whether psychological research can help to answer traditional philosophical questions. Case studies may include: psychiatric and mental disorders, rational thought, animal cognition, the placebo effect, the nature of concepts, attribution theory, moral psychology, or consciousness. Prerequisites: AP/PHIL 2160 3.00 or AP/PHIL 2240 3.00.	en	**SDG 3 Good Health and Well-Being**		
Philosophy of Cognitive Science	Faculty of Liberal Arts & Professional Studies	PHIL	4082	3	An examination of philosophical issues at the foundations of cognitive science, such as: mental representation, perception, concepts, rationality, memory, intelligence, modularity, evolutionary psychology, extended and embodied cognition, and consciousness. Prerequisite: At least nine credits in AP/PHIL courses, including at least three credits from the following: AP/PHIL 3260 3.00 or AP/PHIL 3265 3.00.	en	**SDG 3 Good Health and Well-Being**		
Introduction to Bioethics	Glendon College	PHIL	2652	3	This course offers an introduction to contemporary bioethics. It will start from a discussion of the philosophical principles that inform reasoning in bioethics and examine topics such as physician assisted death, abortion, patient autonomy, commodification, and genetic enhancement.	en	**SDG 3 Good Health and Well-Being**		
Major Problems in the Philosophy of Psychology	Faculty of Graduate Studies	PHIL	6365	3	This course focuses on one or more of the major problems in the philosophy of psychology, such as the following: intentionality, psychological explanation, methodology of psychology, theory of mind, folk psychology, mental representation, animal minds, consciousness and self-consciousness, the self, emotions, philosophy of psychiatry, and moral psychology.	en	**SDG 3 Good Health and Well-Being**		

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Introduction to Biological Physics	Faculty of Graduate Studies	PHYS	5800	3	This course will focus on applications of quantum physics in biology and medicine. Integrated with SC/BPHS 4090 4.00.	en	SDG 3 Good Health and Well-Being		
Team Handball I	Faculty of Health	PKIN	350	0	For more details including a course description, please consult the Kinesiology and Health Science supplemental calendar.	en	SDG 3 Good Health and Well-Being		
Pilates: Restorative	Faculty of Health	PKIN	403	0	This course explores and analyzes deep (body core) movements for stability and mobility. Students experience and develop skills in assessing and correcting alignment issues and common muscle imbalances utilizing principles of movement coupled with an understanding of skeletal alignment. The course focuses on injury prevention and recovery. Course credit exclusion: HH/ PKIN 0408 0.00	en	SDG 3 Good Health and Well-Being		
Pilates	Faculty of Health	PKIN	405	0	Offers a comprehensive overview of Joseph Pilates' work, and training in the proper execution of Pilates mat exercises. Students will develop an appreciation of the potential for Pilates to benefit special populations (i.e. athletes, seniors, dancers, etc.) and for the prevention and rehabilitation of injuries.	en	SDG 3 Good Health and Well-Being		
Emergency Care I	Faculty of Health	PKIN	750	0	An introduction to the care given to a suddenly injured or ill person in order to sustain life and prevent further injury. Upon successful completion, students will be certified in Basic Rescuer C.P.R. - C and Standard First Aid. Note: Normally only open to fourth-year students. All Kinesiology and Health Science students are required to complete HH/PKIN 0750 0.00, or equivalent. Equivalency is current CPR Basic Rescuer Certificate (Level C) and a Standard First Aid Certificate.	en	SDG 3 Good Health and Well-Being		
Advanced First Aid/CPR	Faculty of Health	PKIN	751	0	This course builds on the theory and skills introduced in HH/PKIN 0750 0.00 and provides advanced theory and techniques to respond to a suddenly ill or injured person. This course also trains individuals to prevent further injury in a variety of settings. Students may be certified with Automatic External Defibrillation, Airway Management, CPR-Health Care Professional level, and Advanced First Aid Provider. Prerequisite: HH/PKIN 0750.00 or Standard First Aid or Cardio Pulmonary Resuscitation (CPR) current within last two years.	en	SDG 3 Good Health and Well-Being		
Restorative Pilates II	Faculty of Health	PKIN	408	0	Builds upon the foundations established in HH/PKIN 0403 0.00. This Pilates course examines proper alignment and mechanics of the arms and legs. This course analyzes common problems in the shoulder, hip, feet, ankle and knee joints. The focus of this course is rehabilitating/avoiding injuries by learning the Mindful Movement techniques of Restorative Pilates. Prerequisite: HH/PKIN 0403 0.00.	en	SDG 3 Good Health and Well-Being		

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First Responder for Athletic Therapy II	Faculty of Health	PKIN	762	0	This course is designed, in combination with HH/PKIN 0761 0.00, to satisfy the requirements of the Canadian Cross First Responder course within a sports medicine format. The course will include asynchronous onlinelectures, in-person hands on and scenario-based practice labs as well as on-campus observational experiences with varsity athletes. Students will receive theoretical information, specifics on applying first responder skills in practical sports medicine situations and have the opportunity to participate in practice scenarios to reinforce the learning process. This course required for the Athletic Therapy Certificate Program.	en	**SDG 3 Good Health and Well-Being**		
The Global Politics of Health	Faculty of Graduate Studies	POLS	6245	3	Examines health at the intersection between global and national political terrains. It explores the impact of extensive biomedical development, national competition, and international trade on both the ¬ëreality¬í and delivery of health for populations.	en	**SDG 3 Good Health and Well-Being**		
Introduction la psychologie anormale	Glendon College	PSYC	3230	3	This course discusses what is normal and abnormal, reviews the classical nosology of neurosis, psychosis and character disorders, relates the concept of behaviour disorders to these notions and outlines the different therapy theories and techniques. Prerequisite: GL/PSYC 2510 6.00 or equivalent. Course credit exclusion: HH/PSYC 3140 3.00.	en	**SDG 3 Good Health and Well-Being**		
Learning, Behaviour Modification, and Behaviour Management	Glendon College	PSYC	3555	3	Examines learning and behaviour modification as applied in clinical settings. Topics include classical and operant conditioning, reinforcement, self- and environmental control and behavioural intervention geared to people who suffer from cognitive disorders. Prerequisites: GL/PSYC 2510 6.00, GL/PSYC 2520 3.00, GL/PSYC 2530 3.00, GL/PSYC 2531 3.00. PRIOR TO FALL 2014: Course credit exclusion: GL/PSYC 3400 3.00.	en	**SDG 3 Good Health and Well-Being**		
Health Psychology	Glendon College	PSYC	3635	3	This course examines psychological contributions to health maintenance, prevention and treatment of illness, and to the identification of correlates of specific conditions in health and illness. Prerequisite: GL/PSYC 2510 6.00. Course credit exclusions: HH/PSYC 3170 3.00.	en	**SDG 3 Good Health and Well-Being**		
Rehabilitation Psychology	Glendon College	PSYC	4270	3	Rehabilitation psychology deals with the etiology, assessment and treatment of psychological impairments due to physical injury, chronic disease and other disabling conditions. The course will cover assessment, diagnosis of the impairments, some basic tests (in personality, cognition) and treatment (of mental health). Prerequisites: GL/PSYC 2520 3.00 and GL/PSYC 2530 3.00. Course credit exclusion: HH/PSYC 4040 3.00.	en	**SDG 3 Good Health and Well-Being**		

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Introduction to Psychology	Glendon College	PSYC	2510	6	An overview of the discipline of psychology, which includes sensation and perception, learning and behaviour modification, social psychology, developmental psychology, personality, motivation, abnormal psychology and psychobiology. Note: This course is required for all students who intend to pursue additional courses in psychology at the 2000-, 3000- and 4000-levels. Students must pass the course with a minimum grade of C in order to pursue further studies in psychology. Under exceptional circumstances, non-majors who have not obtained a minimum grade of C in GL/PSYC 2510 6.00 may apply for special consideration to enrol in an upper-level psychology course for which GL/PSYC 2510 6.00 is a prerequisite. This application should be made to the Glendon psychology department Chair. Course credit exclusion: HH/PSYC 1010 6.00.	en	**SDG 3 Good Health and Well-Being**		
Computer Programming for Experimental Psychology	Faculty of Graduate Studies	PSYC	6273	3	This graduate course covers computer programming methods that are useful for running experiments and analyzing data in experimental psychology. Students will learn a general-purpose programming language such as MATLAB or Python. Topics include basic programming methods and data structures, data files, curve fitting, device calibration, data visualization, statistical tests, model simulations, and interfacing to external devices.	en	**SDG 3 Good Health and Well-Being**		
Cognitive Neurorehabilitation: Basic Science to Clinical Application	Faculty of Graduate Studies	PSYC	6330	3	Neuroscience is increasingly informing our understanding of the neural mechanisms underlying cognitive decline and interventions to slow or potentially reverse these changes in aging, injury and brain disease. This course introduces students to current topics in cognitive neurorehabilitation with a view to translating intervention research into novel, brain-based approaches to the treatment of cognitive decline.	en	**SDG 3 Good Health and Well-Being**		
Foundations of Clinical Psychology: Psychopathology and Personality	Faculty of Graduate Studies	PSYC	6422	3	This course is an introduction to a knowledge base underlying the theory and practice of clinical psychology, with an emphasis on theories of the self (e.g., cognitive, psychodynamic, developmental) and how personality contributes to psychopathology. It comprises an integrative and critical review of theory and research on mental disorders, including depressive, anxiety, obsessive-compulsive, substance, trauma and stress-related, and eating disorders.	en	**SDG 3 Good Health and Well-Being**		
Evidence Based Principles of Psychotherapy	Faculty of Graduate Studies	PSYC	6436	3	This course is informed by a common factors framework and provides students with grounding in fundamental principles of psychotherapy. These include a framework for viewing all forms of psychotherapy, and consideration of the therapeutic alliance and alliance ruptures, empathy, awareness & experiencing, emotion and emotion regulation, and client & therapist factors known to influence psychotherapy process and outcomes. In addition, the course will cover case formulation, issues regarding empirically supported treatments, and the three major specific models of psychotherapy: psychodynamic, cognitive-behavioral, and person-centred or person-experiential.	en	**SDG 3 Good Health and Well-Being**		

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Computational Neuroscience	Faculty of Graduate Studies	PSYC	6256	3	This course focuses on a systems approach to specialized circuits within the central nervous system that determine sensory, motor and cognitive systems. Permission of the Instructors is required to enrol in the course.	en	**SDG 3 Good Health and Well-Being**		
Foundations of Clinical Psychology: Biopsychosocial formulations	Faculty of Graduate Studies	PSYC	6421	3	This course provides a biopsychosocial perspective on severe forms of mental illness and	en	**SDG 3 Good Health and Well-Being**		
Approaches to Psychotherapy: Advanced Study	Faculty of Graduate Studies	PSYC	6437	3	Provides students with advanced and intensive study of major models of psychotherapy, from traditional to contemporary. Models include psychodynamic, cognitive-behavioral, and person-centred or person-experiential, but also contemporary models including emotion-focused therapy, post-modern approaches and narrative processes, motivational interviewing, mindfulness & acceptance-based approaches. In addition, other modalities of therapy are considered including group therapy, systems approaches, and couples therapy. While each model is considered individually, psychotherapy integration will also be discussed and considered throughout the course.	en	**SDG 3 Good Health and Well-Being**		
Principles of Neuropsychological Assessment	Faculty of Graduate Studies	PSYC	6450	3	Clinical Neuropsychology. This course addresses a number of topics in the practice of clinical neuropsychology. Data derived from various sources including clinical interviews, neurological histories, as well as data from various neuropsychological measures, will be interpreted and integrated within the framework of individual case studies. Specific topics include evaluation of head injury, dementia, amnesias, and approaches to rehabilitation and intervention.	en	**SDG 3 Good Health and Well-Being**		
Current Issues in Health Psychology	Faculty of Graduate Studies	PSYC	6455	3	This course presents an overview of current issues in health psychology. The course is intended to expose graduate students to some of the current theoretical and practical issues in the field of health psychology.	en	**SDG 3 Good Health and Well-Being**		
Developing the Visual Brain	Faculty of Graduate Studies	PSYC	6635	3	This course explores the development of visual functioning in the child. Of interest is visual capacities that underlie other aspects of development, including physical abilities and social cognition. Furthermore, comparisons to adults¬í visual abilities are explored. regularization of special topics course Psychology 6750C 3.0: ¬ìPerceptual Development¬î)	en	**SDG 3 Good Health and Well-Being**		
Biological and Cognitive Bases of Development	Faculty of Graduate Studies	PSYC	6905	3	This course will focus on the psycho-neuropathhology and biological origins of various childhood behaviour disorders. For these purposes, information will be drawn from clinical and experimental neuropsychology, ethology and comparative psychology, and developmental neurobiology and genetics.	en	**SDG 3 Good Health and Well-Being**		

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Developmental Psychopathology of Childhood and Adolescence	Faculty of Graduate Studies	PSYC	6955	3	Examines the guiding principles and contemporary theories of developmental psychopathology. Implications for the practice of clinical child psychology are considered. The course provides a theoretical foundation on which more advanced Clinical-Developmental courses and practical training are based.	en	**SDG 3 Good Health and Well-Being**		
Clinical Practicum II	Faculty of Graduate Studies	PSYC	6440	6	In this course, students are given practical training in psychodiagnosis and in advanced approaches to psychological intervention. The training is mediated through demonstration, role playing, and supervised management of a small number of clinical cases. Prerequisites: Psychology 6420.06, Psychology 6430.06, Psychology 6435.06 and Psychology 6430P.06.	en	**SDG 3 Good Health and Well-Being**		
Developmental Psychology	Faculty of Health	PSYC	2110	3	This course considers physical, intellectual, emotional and social development from birth through adolescence and the impact of the interaction of these various aspects of development upon the individual as a whole. Prerequisite: HH/PSYC 1010 6.00, with a minimum grade of C. Course credit exclusions: GL/PSYC 3300 3.00.	en	**SDG 3 Good Health and Well-Being**		
Abnormal Psychology	Faculty of Health	PSYC	3140	3	A course on the nature, causes and treatment of a number of behaviour disorders. Topics include developmental disorders, anxiety problems, personality disorders, substance abuse, affective disorders, organic brain disorders and schizophrenia. Prerequisite: HH/PSYC 1010 6.00, with a minimum grade of C. Course credit exclusion: GL/PSYC 3230 3.00.	en	**SDG 3 Good Health and Well-Being**		
Health Psychology	Faculty of Health	PSYC	3170	3	Explores the developing role of psychology in the health field. It provides psychological frameworks that elucidate the (non) practice of health behaviours, the role of stress in illness, adjustment to and coping with illness and representations of health/illness. Prerequisites: HH/PSYC 1010 6.00, with a minimum grade of C. Course credit exclusions: HH/KINE 3100 3.00, HH/KINE 4710 3.00, GL/PSYC 3635 3.00.	en	**SDG 3 Good Health and Well-Being**		
Psychology and Law	Faculty of Health	PSYC	3310	3	Examines the applications of psychology to legal issues and procedures. Drawing from the areas of social, cognitive, developmental and clinical psychology, the law's informal theories of human behaviour are compared to what psychologists know on the basis of theories and research. Prerequisite: HH/PSYC 1010 6.00, with a minimum grade of C. Course credit exclusion: GL/PSYC 3600 3.00.	en	**SDG 3 Good Health and Well-Being**		
Neuroscience of Aging & Cognitive Health	Faculty of Health	PSYC	3495	3	This course investigates the neural basis of cognitive changes across the adult lifespan. Students will learn how the brain is altered in structure and function as people age and how these changes impact cognition. The course will examine the border between normal and abnormal aging and how neuroscience research is informing strategies to sustain cognitive health into older adulthood. Prerequisite: HH/PSYC 1010 6.00, with a minimum grade of C; HH/PSYC 2240 3.00.	en	**SDG 3 Good Health and Well-Being**		

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Drugs and Behaviour	Faculty of Health	PSYC	3590	3	A survey of various aspects of major licit and illicit drugs. Topics include historical changes in use/abuse, methods of administration, neurochemical actions, pharmacological effects, and theories of addiction as viewed from physiological, cognitive, learning and social-psychological perspectives. Prerequisite:HH/PSYC 1010 6.00 with a minimum grade of C.	en	**SDG 3 Good Health and Well-Being**		
Individual Research Project	Faculty of Health	PSYC	3900	3	Students arrange to complete an individual research project with a full-time faculty member in the Psychology Department, Faculty of Health. This course allows students to obtain first-hand research experience in a professor¬ís area of research expertise. Prerequisites: HH/PSYC 1010 6.00, with a minimum grade of C, HH/PSYC 2010 3.00; one of HH/PSYC 2020 6.00 or HH/PSYC 2021 3.00 and HH/PSYC 2022 3.00. Open to: Students who have earned 54 credits in the Honours or Specialized Honours Programs in Psychology Note: Students may complete one 6.00 credit or two 3.00 credit Individual Research Project courses in each academic year, to a maximum of 12.00 credits in total (HH/PSYC 3900 series and HH/PSYC 4900 series combined). After securing a supervisor, students should consult the Department of Psychology for an application.	en	**SDG 3 Good Health and Well-Being**		
Seminar in Health Psychology	Faculty of Health	PSYC	4190	3	This seminar will focus on a single health problem (e.g., HIV/AIDS, cardiovascular disease, cancer), using this as a unifying context to examine the interplay of biological, psychological and social determinants of health status and of health promoting and health damaging behaviours. Prerequisites: HH/PSYC 1010 6.00, with a minimum grade of C; HH/PSYC 2030 3.00; one of HH/PSYC 2021 3.00, HH/PSYC 2020 6.00; HH/PSYC 3170 3.00.	en	**SDG 3 Good Health and Well-Being**		
Individual Research Project	Faculty of Health	PSYC	4900	3	Students arrange to complete an individual research project with a full-time faculty member in the Psychology Department, Faculty of Health. This course allows students to obtain first-hand research experience in a professor¬ís area of research expertise. Prerequisites: HH/PSYC 1010 6.00, with a minimum grade of C, HH/PSYC 2010 3.00; one of HH/PSYC 2020 6.00 or HH/PSYC 2021 3.00 and HH/PSYC 2022 3.00. Open to students with 84 earned credits in the Honours or Specialized. Note: Students may complete one 6.00 credit or two 3.00 credit Individual Research Project courses in each academic year, to a maximum of 12.00 credits in total (HH/PSYC 3900 series and HH/PSYC 4900 series combined). After securing a supervisor, students should consult the Department of Psychology for an application.	en	**SDG 3 Good Health and Well-Being**		
Neural Basis of Behaviour	Faculty of Health	PSYC	3250	3	This course surveys issues concerning the development and localization of cerebral functions, and examines experimental and clinical studies illustrating behavioural effects of brain damage. Prerequisites: HH/PSYC 1010 6.00, with a minimum grade of C; HH/PSYC 2240 3.00 or HH/SC NRSC 2100 3.00	en	**SDG 3 Good Health and Well-Being**		

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Individual Research Project	Faculty of Health	PSYC	3901	3	Students arrange to complete an individual research project with a full-time faculty member in the Psychology Department, Faculty of Health. This course allows students to obtain first-hand research experience in a professor¬ís area of research expertise. Prerequisites: HH/PSYC 1010 6.00, with a minimum grade of C, HH/PSYC 2010 3.00; one of HH/PSYC 2020 6.00 or HH/PSYC 2021 3.00 and HH/PSYC 2022 3.00. Open to students with 54 earned credits in the Honours or Specialized Honours Programs in Psychology. Note: Students may complete one 6.00 credit or two 3.00 credit Individual Research Project courses in each academic year, to a maximum of 12.00 credits in total (HH/PSYC 3900 series and HH/PSYC 4900 series combined). After securing a supervisor, students should consult the Department of Psychology for an application.	en	**SDG 3 Good Health and Well-Being**		
Current Issues in Health Psychology	Faculty of Health	PSYC	4370	3	Examines current theoretical and practical issues in clinical and hospital-based health psychology. Students present, critically evaluate, reflect upon, and discuss current evidence and theory related to disease development as well as preventive and therapeutic interventions for chronic diseases and conditions in which health-compromising and health-enhancing behaviours play a role. Instructional methods include case studies and experiential class activities. Integration: GS/PSYC 6455 3.00. Prerequisites: HH/PSYC 1010 6.00, with minimum grade of C; HH/PSYC 2021 3.00 or HH/PSYC 2020 6.00; HH/PSYC 2030 3.00; HH/PSYC 2240 3.0; HH/PSYC 3170 3.00; must be in a Specialized Honours program in Psychology and have completed at least 84 credits; excluding (EDUC) education courses.	en	**SDG 3 Good Health and Well-Being**		
Individual Research Project	Faculty of Health	PSYC	4901	3	Students arrange to complete an individual research project with a full-time faculty member in the Psychology Department, Faculty of Health. This course allows students to obtain first-hand research experience in a professor¬ís area of research expertise. Prerequisites: including HH/PSYC 1010 6.00, with a minimum grade of C, HH/PSYC 2010 3.00; one of HH/PSYC 2020 6.00 or HH/PSYC 2021 3.00 and HH/PSYC 2022 3.00. Open to: Students with 84 earned credits in the Honours or Specialized Honours Programs in Psychology. Note: Students may complete one 6.00 credit or two 3.00 credit Individual Research Project courses in each academic year, to a maximum of 12.00 credits in total (HH/PSYC 3900 series and HH/PSYC 4900 series combined). After securing a supervisor, students should consult the Department of Psychology for an application.	en	**SDG 3 Good Health and Well-Being**		

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Individual Research Project	Faculty of Health	PSYC	3902	6	Students arrange to complete an individual research project with a full-time faculty member in the Psychology Department, Faculty of Health. This course allows students to obtain first-hand research experience in a professor¬ís area of research expertise. Prerequisites: HH/PSYC 1010 6.00, with a minimum grade of C, HH/PSYC 2010 3.00; one of HH/PSYC 2020 6.00 or HH/PSYC 2021 3.00 and HH/PSYC 2022 3.00. Note: Students may complete one 6.00 credit or two 3.00 credit Individual Research Project courses in each academic year, to a maximum of 12.00 credits in total (HH/PSYC 3900 series and HH/PSYC 4900 series combined). After securing a supervisor, students should consult the Department of Psychology for an application. Open to: students with 54 earned credits in the Honours or Specialized	en	**SDG 3 Good Health and Well-Being**		
Individual Research Project	Faculty of Health	PSYC	3903	6	Students arrange to complete an individual research project with a full-time faculty member in the Psychology Department, Faculty of Health. This course allows students to obtain first-hand research experience in a professor¬ís area of research expertise. Prerequisites: HH/PSYC 1010 6.00, with a minimum grade of C, HH/PSYC 2010 3.00; one of HH/PSYC 2020 6.00 or HH/PSYC 2021 3.00 and HH/PSYC 2022 3.00. Open to: students with 54 earned credits in the Honours or Specialized Honours Programs in Psychology. Note: Students may complete one 6.00 credit or two 3.00 credit Individual Research Project courses in each academic year, to a maximum of 12.00 credits in total (HH/PSYC 3900 series and HH/PSYC 4900 series combined). After securing a supervisor, students should consult the Department of Psychology for an application.	en	**SDG 3 Good Health and Well-Being**		
The Social Life of Science	Faculty of Liberal Arts & Professional Studies	SOCI	3940	6	Contemporary, controversies such as cloning, genetics and race, climate change, AIDS treatment and DNA fingerprinting are used to foreground the social and cultural processes which shape knowledge.Prerequisite: Students must have successfully completed 24 credits. Course credit exclusions: AP/SOCI 3940. PRIOR TO FALL 2009: Prerequisite: Students must have successfully completed 84 credits. However, third-year Honours students with 78 completed credits who are also taking summer courses may enrol. Course credit exclusion: AS/SOCI 4050 3.00.	en	**SDG 3 Good Health and Well-Being**		
Bodies, Genders and Sexualities	Faculty of Liberal Arts & Professional Studies	SOCI	4470	3	This course considers a variety of theories concerning the relation between sex, sexuality and gender identity. Theories to be covered are those of Freud, Michel Foucault on the history of sexuality, and those of a number of psychoanalytic feminist theorists. Prerequisite: Students must have successfully completed 84 credits.	en	**SDG 3 Good Health and Well-Being**	**SDG 5 Gender Equality**	

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Sociology of Health and Health Care	Faculty of Liberal Arts & Professional Studies	SOCI	3820	6	Social factors related to health and physical and mental illness will be discussed, including comparative examinations of the healing process. The social organization of systems of health care will be explored, including recruitment and socialization of health care personnel, hospitals as social institutions, stratification in medicine, emergence of professional medicine and alternatives to it and development of the health promotion perspective. Course credit exclusion: GL/SOCI 3230 6.00.	en	**SDG 3 Good Health and Well-Being**		
Health and Illness in Contemporary Societies: Critical Perspectives	Glendon College	SOCI	3230	3	This course provides the conceptual tools and empirical knowledge to understand key issues pertaining to health, illness and health service delivery. These issues include health indicators and determinants, the illness experience and the contemporary medical-industrial complex, health promotion and global health. Prerequisite: GL/SOCI 2510 6.00 or permission of the department. Course credit exclusion: AP/SOCI 3820 6.00.	en	**SDG 3 Good Health and Well-Being**		
Addictions	Faculty of Liberal Arts & Professional Studies	SOWK	4460	3	Examines and critically analyze the current issues related to policy, treatment and research in the field of alcohol and drug dependence. While the course will consider multidisciplinary approaches to the problem of chemical dependence, it will emphasize the social worker's role within a range of hospital and agency settings. Prerequisite for post-degree BSW Honours majors: AP/SOWK 2050 6.00, AP/SOWK 2060 3.00 and AP/SOWK 2070 3.00. Prerequisites for direct entry BSW Honours majors: 42 credits in non-social work courses; AP/SOWK 1011 6.00, AP/SOWK 2050 6.00, AP/SOWK 2060 3.00 and AP/SOWK 2070 3.00.	en	**SDG 3 Good Health and Well-Being**		
Directed Readings	Faculty of Graduate Studies	SOWK	5970	3	Individual students or small groups will read under supervision in one or two selected areas. Students wishing to enrol are to contact the Director of the Graduate Program in Social Work for approval.	en	**SDG 3 Good Health and Well-Being**		
Social Policy and Services Concerning Disability	Faculty of Liberal Arts & Professional Studies	SOWK	4240	3	From a policy and a social work practice perspective, this course will examine the social services provisions for individuals with developmental disabilities. The emphasis may vary year to year from physical to developmental disabilities. Prerequisite for post-degree BSW Honours majors: AP/SOWK 2050 6.00, AP/SOWK 2060 3.00 and AP/SOWK 2070 3.00. Prerequisites for direct entry BSW Honours majors: 42 credits in non-social work courses; AP/SOWK 1011 6.00, AP/SOWK 2050 6.00, AP/SOWK 2060 3.00 and AP/SOWK 2070 3.00. Note: Only under extenuating circumstances may BSW students receive permission by the Undergraduate Program Director to take 4000-level electives simultaneously with second- and third-year social work core courses. All student requests for these permissions must be directed to the School of Social Work Undergraduate Program office.	en	**SDG 1 No Poverty**	**SDG 3 Good Health and Well-Being**	

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Epidemics and the Modern World: Local, National & Global Configurations of Disease	Faculty of Science	STS	4780	3	Explores the changing interactions between epidemic disease, governance, and scientific knowledge since the nineteenth century. Widespread infections, pathological outbreaks, and emerging diseases are examined at the local, national, and global levels as both historical agents and as constructs. Prerequisites: Completion of 84 credits of which three credits are drawn from 3000-level SC/STS or HIST or SOSC courses; or permission of the Instructor.	en	**SDG 3 Good Health and Well-Being**		
Biomedicine and Society	Faculty of Science	STS	3780	3	An examination of the changing nature of biomedical research, concepts, and practices since 1800. Topics for sociohistorical analysis include: public health, physiology, microbiology, risk factors, diagnostic technologies, drug development and policy, immunology, and genetic medicine. Course credit exclusion: AP/SOSC 3780 6.00, SC/STS 3780 6.00.	en	**SDG 3 Good Health and Well-Being**		
Science, Health and Food	Faculty of Science	STS	4785	3	An examination of how knowledge is generated and validated in health and food sectors through analysis of studies, statistics, publications, evidence based medicine, government regulation and policy in Canada, the USA and the EU. Case studies will detail controversial issues. Prerequisite: Completion of 60 credits.	en	**SDG 3 Good Health and Well-Being**	**SDG 16 Peace, Justice and Strong Institutions**	