Course Code	TERM Winter 2023	Format (On-campus, Online, Blended)	Course Name	Instructor(s)	Minimum Qualifications/Background Requirements/Experience	Scheduled Class Time
ANAT 100	Winter	Blended	Anatomy of the Human Body	MacKenzie	Completed a minimum of 3 years preferably in Life Sciences/Biochemistry (Biology and Psychology may also be considered). Candidates should have completed at least one human anatomy course of course in which anatomy is part of and achieved a B average.	001 - WE 14:30 - 16:30 002 - TH 8:30-10:30 003 - TH 10:30 - 12:30
ANAT 100	Winter	Online	Anatomy of the Human Body	MacKenzie	Completed a minimum of 3 years preferably in Life Sciences/Biochemistry (Biology and Psychology may also be considered). Candidates should have completed at least one human anatomy course of course in which anatomy is part of and achieved a B average.	No On-Campus Class
ANAT 101	Winter	On Campus	Introductory Human Anatomy	Graham	Preference will be given to those currently registered in a postgraduate or professional program with a background in human anatomy.	**LEC:** MO 14:30 - 15:30 TU 15:30 - 16:30 FR 16:30 - 17:30 **LAB:** 002 - TH 12:30 - 14:30 003 - TH 14:30 - 16:30
ANAT 216	Winter	On Campus	Principles of Human Morphology II	MacKenzie	Preference will be given to those currently registered in a postgraduate or professional program with a background in human morphology.	**LEC:** MO 10:30 - 11:30 WE 09:30 - 10:30 FR 08:30 - 09:30 **LAB:** 002 - TU 08:30 - 10:30 003 - TU 12:30 - 14:30 004 - TU 14:30 - 16:30
ANAT 309	Winter	Blended	Functional Histology	Postovit	Preference will be given to those currently registered in a postgraduate or professional program with a background in Functional Histology.	WE 08:30 - 11:30
ANAT 309	Winter	Online	Functional Histology	Postovit	Preference will be given to those currently registered in a postgraduate or professional program with a background in Functional Histology.	No On-Campus Class
ANAT 316	Winter	On Campus	The Human Visceral System	TBD	Preference will be given to those currently registered in a postgraduate or professional program with a background in the human Visceral system.	**LEC:** MO 15:30 - 16:30 WE 14:30 - 15:30 FR 16:30 - 17:30 **LAB:** 002 - FR 08:30 - 10:30 003 - FR 10:30 - 12:30 004 - FR 12:30 - 14:30 005 - FR 14:30 - 16:30
ANAT 380	Winter	Online	Clinically Relevant Human Anatomy	MacKenzie	Preference will be given to those currently registered in a postgraduate or professional program with a background in clinically relevant human anatomy.	No On-Campus Class
ANAT 391	Winter	On Campus	Introduction to Cadaveric Dissection	Adams	Candidate must be currently or recently enrolled in a relevant graduate program and have taken at least three of the anatomy related courses such as ANAT215/216, ANAT312, ANAT380, ANAT309, ANAT409, ANAT471 or equivalent. Extensive dissection or prosection experience required. Previous experience teaching or lecturing is preferred.	MO 15:30 - 18:30

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ANAT 409	Winter	On Campus	Selected Topics in Histology	Pang	Preference will be given to those currently registered in a postgraduate or professional program with a background in Histology.	**LEC:** TU 08:30 - 09:30 WE 10:30 - 11:30 **LAB:** MO 12:30 - 14:30
ANAT 471	Winter	Blended	Human Embryology	MacKenzie	Completed a minimum of 4 years preferably in Life Sciences/Biochemistry (Biology may also be considered). Candidates should have completed an embryology course and achieved a B average.	TU 10:30 - 12:30
BCHM 218	Winter	Blended	Gene Structure and Function (Molecular Biology)	van Staalduinen	Preference will be given to those currently registered in a postgraduate or professional program with a background in molecular biology.	WE 11:30 - 13:30
BCHM 218	Winter	Online	Gene Structure and Function (Molecular Biology)	Quilty	Preference will be given to those currently registered in a postgraduate or professional program with a background in molecular biology.	No On-Campus Class
BCHM 270	Winter	Online	Biochemical Basis of Health and Disease	Pruss/van Staalduinen	Candidates must have taken one of BCHM 270 or BCHM 310/316 (or equivalent) with a minimum grade of B+, and completion of BScH or 4th year standing in Biochemistry, Life Sciences or similar degree. Previous TA experience and a passion for diseases is an asset, but not required.	No On-Campus Class
BCHM 310	Winter	On-campus lab course	General Biochemistry = 315 & 316 & lab	Campbell	Preference will be given to those currently registered in a postgraduate or professional program with a background in biochemistry.	**LEC:** MO 09:30 - 10:30 WE 08:30 - 09:30 TH 10:30 - 11:30 **LAB:** 002 - TU 14:30 - 17:30 002 - TU 14:30 - 17:30
BCHM 313	Winter	On Campus	Physical Biochemistry	Craig/Campbell	Preference will be given to those currently registered in a postgraduate or professional program with a background in Physical Biochemistry.	MO 10:30 - 11:30 WE 09:30 - 10:30 FR 08:30 - 09:30
BCHM 316	Winter	On Campus	Metabolism	Jones	Preference will be given to those currently registered in a postgraduate or professional program with a background in Metabolism.	MO 09:30 - 10:30 WE 08:30 - 09:30 FR 10:30 - 11:30
BCHM 317/319	Winter	On-campus lab course	Introductory Biochemistry laboratory	Campbell	Preference will be given to those currently registered in a postgraduate or professional program with a background in biochemistry.	MO 14:30 - 18:30
BCHM 370	Winter	Blended	Genetics & Genomics	van Staalduinen	Candidates must have completed one or more of BCHM 218, BCHM 270, or BIOL 205, BIOL 331 (or equivalent). Completion of BScH in Life Science, Biochemistry, Biology (or equivalent).	WE 15:30 - 17:30
BCHM 411	Winter	On Campus	Advanced Molecular Biology	TBD	Preference will be given to those currently registered in a postgraduate or professional program with a background in molecular biology.	MO 11:30 - 12:30 WE 13:30 - 14:30 TH 12:30 - 13:30
BCHM 482	Winter	Online	Proteomics and Metabolomics	Campbell	Candidate must have taken (BCHM 315 or equivalent) and be registered in a postgraduate program or professional with a background in biochemistry. Course or experience in quantitative research methods is an asset, but not required.	No On-Campus Class
BMED 483	Winter	Online	Advanced Topics in Infectious Diseases	Sheth	Candidates must have taken MICR 360 or equivalent. Background knowledge in microbiology is required. Previous experience as a TA is an asset.	No On-Campus Class

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CANC 380	Winter	Online	Evolutionary Biology of Cancer	Cotechini	Preference will be given to those currently registered in a postgraduate or professional program with a background in immunology and/or cancer.	No On-Campus Class
CRSS 454	Winter	On Campus	Cardiovascular Sciences	Adams	Preference will be given to those currently registered in a postgraduate or professional program with a background in Cardiovascular Sciences.	TH 14:30 - 17:30
CRSS 454	Winter	Online	Cardiovascular Sciences	Adams	Preference will be given to those currently registered in a postgraduate or professional program with a background in Cardiovascular Sciences.	No On-Campus Class
CRSS 456	Winter	On Campus	Molecular and Cellular Basis of Cardiovascular Disease	Maurice	Preference will be given to those currently registered in a postgraduate or professional program with a background in Molecular and Cellular Basis of Cardiovascular Disease.	TU 14:30 - 16:30 WE 16:30 - 17:30
DDHT 460	Winter	On Campus	Principles of Drug Development	Ozolins	Preference will be given to those currently registered in a postgraduate or professional program with a background in Drug Development.	WE 14:30 - 17:30
GLPH 171	Winter	Blended	Social and Physical Determinants of Health and Disease	Stoner/Davison	Post baccalaureate level with extra training in public health, epidemiology, or social and physical determinants of health.	001 TU 09:30 - 11:30 002 TU 11:30 - 13:30
GLPH 271	Winter	Blended	Global and Population Health	Carpenter	Candidates must have taken GLPH 271 (formerly BMED 271) and excelled. Currently registered in a postgraduate or professional program with a background in global or public health (or at the discretion of the instructor). Enrollment in the Masters of Public Health program would be considered an asset but is not required.	MO 12:30 - 14:30
GLPH 271	Winter	Online	Global and Population Health	Carpenter	Candidates must have taken GLPH 271 (formerly BMED 271) and excelled. Currently registered in a postgraduate or professional program with a background in global or public health (or at the discretion of the instructor). Enrollment in the Masters of Public Health program would be considered an asset but is not required.	No On-Campus Class
GLPH 281	Winter	Blended	Racism and Health in Canada	Valarezo	Candidate currently registered in a postgraduate or professional program with a background in racism and health or public health (or at the discretion of the instructor). Enrolmment in the Masters of Public Health program would be considered an asset but not required.	WE 8:30 - 11:30
GLPH 281	Winter	Online	Racism and Health in Canada	Valarezo	Candidate currently registered in a postgraduate or professional program with a background in racism and health or public health (or at the discretion of the instructor). Enrolmment in the Masters of Public Health program would be considered an asset but not required.	No On-Campus Class
GLPH 385	Winter	Blended	Biohacking and Gerontechnology	Carver	Upper year standing, an interest in issues related to older adults, a background in Social Sciences, and basic understanding of biotechnology and biohacking (they do not need to be experts).	TH 12:30 - 14:30
GLPH 385	Winter	Online	Biohacking and Gerontechnology	Carver	Upper year standing, an interest in issues related to older adults, a background in Social Sciences, and basic understanding of biotechnology and biohacking (they do not need to be experts).	No On-Campus Class
GLPH 471	Winter	Online	Advanced Global and Population Health	Carpenter	Candidates must have taken GLPH471 (formerly BMED 471) and excelled. Currently registered in a postgraduate or professional program with a background in global or public health (or at the discretion of the instructor). Enrollment in the Masters of Public Health program would be considered an asset, but is not required.	No On-Campus Class

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GLPH 487	Winter	Blended	One World, One Health: The Global Link Between Human, Animal, and Environmental Health	Carver	This is a multidisciplinary course. Must be a graduate students or almost completed 4th year of studies. Requires strong analytical ability and solid writing skills because writing is an important component of this course. Need to be familiar with APA style referencing.	TH 10:30 - 12:30
GLPH 487	Winter	Online	One World, One Health: The Global Link Between Human, Animal, and Environmental Health	Carver	This is a multidisciplinary course. Must be a graduate students or almost completed 4th year of studies. Requires strong analytical ability and solid writing skills because writing is an important component of this course. Need to be familiar with APA style referencing.	No On-Campus Class
HSCI 190	Winter	Online	Introduction to Statistics for the Health Sciences	Braund	Candidates must currently be enrolled in a graduate or professional program and have taken introductory statistics and have experience applying statistics in health sciences research. Additional statistics and epidemiology courses and experience using SPSS will be considered an asset.	No On-Campus Class
HSCI 270	Winter	Blended	Fundamentals of Health Research Methodology	Linden	Candidates must have taken one of HSCI 270 (formerly BMED 270), EPID301 or EPID 801 (or course equivalent). Minimum grade of A. Course or experience in qualitative research is an asset, but not required.	001 - TH 14:30 - 16:30 002 - TU 11:30 - 13:30
HSCI 270	Winter	Online	Fundamentals of Health Research Methodology	Linden	Candidates must have taken one of HSCI 270 (formerly BMED 270), EPID301 or EPID 801 (or course equivalent). Minimum grade of A. Course or experience in qualitative research is an asset, but not required.	No On-Campus Class
HSCI 383	Winter	Online	Advanced Research Methodologies	Stockley/Dalgarno	One of HSCI 270 (formerly BMED 270) or EPID 301 or HLTH 252 or PSYC 203 or SOCY 210. Course or experience in qualitative and quantitative research methods is an asset, but not required.	No On-Campus Class
HSCI 483	Winter	Blended	Applied Qualitative Methods for Health Research	TBD		MO 08:30 - 10:30
IDIS 173	Winter	Online	History and Philosophy of Health and Healthcare	Cline	Preference will be given to those currently registered in a postgraduate or professional program and have a background in ethics. Background in healthcare ethics and online teaching is an asset but not required.	No On-Campus Class
IDIS 199	Winter	Online	The Science of Mental Health, Well-being, and Resiliency	Duffy/Cunningham	Completed a minimum of 3 years preferably in Life sciences/Health Sciences or Psychology program. Candidates should have completed at least one psychology or health-related course and achieved a B average.	No On-Campus Class
IDIS 280	Winter	Online	Interprofessional Approaches in Healthcare	Brander	Completion of BHSc in Life Sciences, health professional degree and/or similar. Work or volunteer experience in health, first aid and/or wellness/fitness contexts an asset. Formal experience in working with teams and/or groups an asset. Previous TA experience also an asset but not required.	No On-Campus Class
IDIS 373	Winter	Online	Health Ethics, Law and Policy	Butler	Currently registered in a postgraduate or professional program and have a background in ethics. Background in healthcare ethics and online teaching is an asset but not required.	No On-Campus Class
IDIS 473	Winter	Online	Designing Your Life After Queen's			No On-Campus Class

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IDIS 483	Winter	Blended	Applied Health Ethics: Clinical, Organizational, and Research Perspectives	Butler	Qualified applicants will have completed at least a bachelor's degree in a related discipline (e.g. philosophy, health sciences, biomedical sciences, etc.). Preference will be given to applicants with additional graduate or professional training in a relevant discipline and/or those with professional experience addressing health-ethics issues in clinical, organizational, or research contexts.	001 - TU 14:30 - 17:30 002 - WE 11:30 - 14:30
LISC 300	Winter	On Campus	The Process of Discovery in the Biomedical Sciences	Abraham	Preference will be given to those currently registered in a postgraduate or professional program with a background in biomedical sciences.	WE 15:30 - 17:30 FR 08:30 - 10:30
LISC 391	Winter	On Campus	Integrated Life Sciences Laboratory II	Pruss	Preference will be given to those currently registered in a postgraduate or professional program with a background in life sciences.	TH 14:30 - 17:30 FR 11:30 - 14:30
LISC 426/NSCI 426	Winter	On Campus	Current Concepts in Sensorimotor Neuroscience	Pare	Preference will be given to those currently registered in a postgraduate or professional program with a background in Sensorimotor Neuroscience.	WE 14:30 - 17:30
MICR 121	Winter	On Campus	Microbiology for Nursing Students	Sheth	Preference will be given to those currently registered in a postgraduate or professional program with a background in Microbiology.	**LEC:** TU 16:30 - 17:30 WE 16:30 - 17:30 FR 15:30 - 16:30 **TUT:** TH 17:30 - 18:30 **LAB:** FR 08:30 - 12:30
MICR 221	Winter	On Campus	Fundamental Microbiology	Lohans/Banfield	Preference will be given to those currently registered in a postgraduate or professional program with a background in Microbiology.	**LEC:** MO 12:30 - 13:30 WE 11:30 - 12:30 TH 13:30 - 14:30 **LAB:** 002/004 - TH 14:30 - 17:30 003/005 - FR 14:30 - 17:30
MICR 270	Winter	Online	Infection, Immunity, and Inflammation	Sheth	Candidates must have taken MICR360 or equivalent. Background knowledge in basic microbiology and immunology. Previous experience as a TA is an asset.	No On-Campus Class
MICR 290	Winter	Online	Antibiotic Resitance Lab	Lohans	Preference will be given to those currently registered in a postgraduate or professional program with a background in antibiotic resistance.	No On-Campus Class
MICR 320	Winter	Online	Microbes in Health and Disease	TBD	Preference will be given to those currently registered in a postgraduate or professional program with a background in Microbes in Health and Diseases.	No On-Campus Class
MICR 386	Winter	Blended	Fundamentals of Immunology in Health and Disease	Cotechini	Candidates must be currently enrolled in a graduate program and have taken MICR360 (or equivalent) and at least one immunology course at the 400 level (or above) with a minimum grade of a A-. Specialization in immunology an asset.	001 - TU 14:30 - 16:30 002 - TH 10:30 - 12:30 003 - WE 13:30 - 15:30
MICR 451	Winter	On Campus	Selected Topics in Viral Pathogenesis	Colpitts	Preference will be given to those currently registered in a postgraduate or professional program with a background inViral Pathogenesis.	TU 09:30 - 10:30 TH 08:30 - 09:30 FR 08:30 - 10:30
MICR 461	Winter	On Campus	Advanced Immunology	Gee	Preference will be given to those currently registered in a postgraduate or professional program with a background in Advanced Immunology.	TH 14:30 - 17:30

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NSCI 323	Winter	On-campus	Cellular Neuroscience	Dumont	Preference will be given to those currently registered in a postgraduate or professional program with a background in cellular neuroscience.	TUT: MO 12:30 - 14:30 LEC: TU 11:30 - 13:30 TUT: TH 13:30 - 15:30
NSCI 324	Winter	On-campus	System Neuroscience	Scott	Preference will be given to those currently registered in a postgraduate or professional program with a background in System neuroscience.	**LEC:** MO 08:30 - 09:30 TU 10:30 - 11:30 TH 09:30 - 10:30 **TUT:** FR 14:30 - 16:30
NSCI 403	Winter	On-campus	Introduction to Neuroimaging	Stroman	Preference will be given to those currently registered in a postgraduate or professional program with a background in Neuroimaging.	WE 13:00 - 14:30 FR 11:30 - 13:00
NSCI 422	Winter	On-campus	Cellular & Molecular Neurosciences	Dumont	Preference will be given to those currently registered in a postgraduate or professional program with a background in Cellular & Molecular Neurosciences.	MO 15:30 - 17:30
NSCI 444	Winter	On-campus	Controversies in Neuroscience	Andrew	Preference will be given to those currently registered in a postgraduate or professional program with a background in Controversies in Neuroscience.	LEC: MO 11:30 - 13:30 SEM: TH 08:30 - 10:30
NSCI 483	Winter	Online	Neurobiology of Learning and Memory	Boehnke	Candidates must be currently enrolled in the Neuroscience Graduate Program and have taken at least one 300 level neuroscience course (NSCI323,324,312 or equivalent) and at least one 400 or graduate level neuroscience seminar course.	No On-Campus Class
PHAR 100	Winter	Blended	Introductory Pharmacology	Mulder	Minimum 3rd year standing in a relevant undergraduate program (e.g. Life Sciences, Biochemistry, Health Sciences, etc.) Must have completed PHAR 100 with a minimum grade of B+ (GPA 3.3). Previous TA experience is an asset, but not required.	FR 14:30 - 16:30
PHAR 100	Winter	Online	Introductory Pharmacology	Turner/Nakatsu	Minimum 3rd year standing in a relevant undergraduate program (e.g. Life Sciences, Biochemistry, Health Sciences, etc.) Must have completed PHAR 100 with a minimum grade of B+ (GPA 3.3). Previous TA experience is an asset, but not required.	No On-Campus Class
PHAR 370	Winter	Blended	Fundamentals of Pharmacology and Therapeutics	Mulder	Minimum 4th year standing in a relevant undergraduate program (e.g. Life Sciences, Biochemistry, etc.) Must have completed one of PHAR 230, PHAR 270 or PHAR 340 (or equivalent) with a minimum grade of B+ (GPA 3.3). Previous TA experience is an asset, but not required.	TU 14:30 - 16:30
PHAR 370	Winter	Online	Fundamentals of Pharmacology and Therapeutics	Ozolins	Minimum 4th year standing in a relevant undergraduate program (e.g. Life Sciences, Biochemistry, etc.) Must have completed one of PHAR 230, PHAR 270 or PHAR 340 (or equivalent) with a minimum grade of B+ (GPA 3.3). Previous TA experience is an asset, but not required.	No On-Campus Class
PHAR 380	Winter	Online	Drug and Environmental Toxicology	Philbrook	Currently registered in a post-graduate or professional program with an academic history in pharmacology and/or toxicology. Students who have previously taken PHAR 270, PHAR 340, PHAR 450, and/or PHAR 416 (or equivalents) will be preferentially selected.	No On-Campus Class
PHGY 170	Winter	Online	Human Cell Physiology	Pruss	One of PHGY 170 or BIOL 102 (or equivalent) with a minimum grade of B+. Completion of BScH or fourth year standing in Biochemistry, Life Sciences or similar. Previous TA experience is an asset, but not required.	No On-Campus Class

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PHGY 215	Winter	Online	Principles of Mammalian Physiology I	Ward	Completed a minimum of 3 years preferably in Life Sciences/Biochemistry (other similar programs will be considered). Candidates must have completed PHGY 215 (or equivalent) and achieved a B average.	No On-Campus Class
PHGY 216	Winter	Blended	Principles of Mammalian Physiology II	Ward	Completed a minimum of 3 years, preferably in Life Sciences/Biochemistry (other similar programs will be considered). Candidates must have completed PHGY216 (or equivalent) and achieved a B average.	003/004 TH 08:30 - 10:30 005 TU 08:30 - 10:30
PHGY 216	Winter	On-campus	Principles of Mammalian Physiology II	Domnik	Completed a minimum of 3 years, preferably in Life Sciences/Biochemistry (other similar programs will be considered). Candidates must have completed PHGY216 (or equivalent) and achieved a B average.	001 TU 18:30 - 20:30 002 TH 18:30 - 20:30
PHGY 216	Winter	Online	Principles of Mammalian Physiology II	Ward	Completed a minimum of 3 years, preferably in Life Sciences/Biochemistry (other similar programs will be considered). Candidates must have completed PHGY216 (or equivalent) and achieved a B average.	No On-Campus Class
PHGY 290	Winter	Blended	Investigation of Human Physiological Responses	Adams	Preference will be given to those currently registered in a postgraduate or professional program with a background in physiology.	TU 14:30 - 17:30
PHGY 290	Winter	Online	Investigation of Human Physiological Responses	Adams	Preference will be given to those currently registered in a postgraduate or professional program with a background in physiology.	No On-Campus Class
PHGY 350	Winter	On-campus	Pathophysiology	Domnik	Preference will be given to those currently registered in a postgraduate or professional program with a background in Pathophysiology.	TU 09:30 - 10:30 TH 08:30 - 09:30 FR 10:30 - 11:30
PHGY 355	Winter	On-campus	Biomedical Respiratory Physiology	Domnik	Preference will be given to those currently registered in a postgraduate or professional program with a background in Biomedical Respiratory Physiology.	**LEC:** MO 11:30 - 12:30 TU 13:30 - 14:30 TH 12:30 - 13:30 **LAB:** FR 14:30 - 17:30
PHGY 494	Winter	On-campus	Neuroendocrinology	Magoski	Preference will be given to those currently registered in a postgraduate or professional program with a background in Neuroendocrinology.	MO 08:30 - 11:30
REPD 372	Winter	Online	Reproduction & Development	Natale/Monsanto	Candidate must be currently enrolled in a graduate program and have taken at least one of the reproduction related courses such as ANAT 409, REPD 426 (formerly ANAT 416), ANAT 309, PHGY 215, PHGY 216 or equivalent.	No On-Campus Class
REPD 387	Winter	On-campus	Sexual Dimorphism in Reproductive Pathologies	Koti	Preference will be given to those currently registered in a postgraduate or professional program with a background in Reproductive Pathologies.	WE 08:30 - 11:30
REPD 473	Winter	Blended	Developmental Origins of Health & Disease	Philbrook	Candidate must be currently enrolled in a graduate program and have taken at least one of the following courses: ANAT409, REPD416 (formerly ANAT 416), PHAR 416.	WE 08:30 - 11:30
REPD 473	Winter	Online	Developmental Origins of Health & Disease	Edwards	Candidate must be currently enrolled in a graduate program and have taken at least one of the following courses: ANAT409, REPD416 (formerly ANAT 416), PHAR 416.	No On-Campus Class