

SKHS Teaching Assistantships Positions Available for 2022-2023



FALL TERM 2022

HLTH courses:

HLTH 101/3.0: Social Determinants of Health, Fall 2022

This course introduces students to basic concepts in public, population and global health, and introduces social determinants of health, such as poverty, income inequality, and racism, in Canadian and global contexts.

Instructor: Dr. Stevenson Fergus

Enrolment: 700; *Components:* Lecture and tutorials

TA allocation: 1 Head TA at 90 hrs and 14TAs at 120 hrs each

Special note: this course includes a head TA position as well as regular TA positions. Please indicate if you would like to be considered for the head TA role.

HLTH 200/3.0: Physical Health & Exercise Programming, Fall 2022

This course introduces students to the principles of planning and implementing a personal fitness program. Students will gain an understanding of the importance of physical activity in relation to health and wellness and the adaptations and benefits to exercising. The students will learn how to design and implement an effective training program.

Instructor: Cailie McGuire

Enrolment: 250; *Components:* Lecture

TA allocation: 6 TAs at 60 hrs each

HLTH 205/3.0: Introduction to Health Promotion, Fall 2022

The course provides students with a broad overview of the practice of health promotion. Topics range from the practicalities of designing, delivering, and evaluating health promotion interventions, to consideration of how health promotion practice intersects with issues of health equity and the social determinants of health.

Instructor: Dr. Joseph Kangmennaang

Enrolment: 136; *Components:* Lecture and group active learning

TA allocation: 3 TAs at 120 hrs each

Special note: HLTH 205 is a part of the Writing Instruction for TAs (WIT) program in SKHS. TAs receive additional training on how to teach and provide effective feedback on student writing.

HLTH 230/3.0: Basic Human Nutrition, Fall 2022

Study of macronutrients, selected micronutrients, energy needs for human performance, relationship of nutrient metabolism to health, consequences of nutrient deficiencies and excesses. Examine how student's own food intake may influence present and future nutritional well-being.

Instructor: Jeffrey Lalonde

Enrolment: 400; *Components:* Lecture

TA allocation: 1 Admin TA at 80 hrs and 7 TAs at 40 hrs each

HLTH 252/3.0: Introduction to Research Methods, Fall 2022

This course provides an introduction to methods, techniques and approaches to research. The course will explore the formulation of research questions, experimental design, interpretation of results, and the use of statistical analysis in experimental research. Ethical issues in research will also be discussed.

Instructor: Dr. Eun-Young Lee

Enrolment: 285; *Components:* Lecture

TA allocation: 5 TAs at 120 hrs each

HLTH 270/3.0: Movement Behaviours and Health, Fall 2022

Movement is on a continuum that includes sleep, sedentary behaviour, and physical activity. This course will use primary prevention and life course approaches to study movement behaviour levels of the population, the influence of movement behaviours on health, and strategies for intervening on movement behaviours.

Instructor: Dr. Ian Janssen

Enrolment: 90; *Components:* Lecture

TA allocation: 3 TAs at 75 hrs each

HLTH 315/3.0: Theory and Practice of Health Behaviour Change, Fall 2022

This course provides an overview of models and theories of health behaviour change at varying levels of practice and analysis, including individual, intrapersonal, group, and community influences on health behaviour. Students will learn how theories are applied in health promotion interventions in a variety of settings, with a variety of populations, and for a variety of health behaviours.

Instructor: El Zahraa Majed

Enrolment: 170; *Components:* Lecture

TA allocation: 4 TAs at 90 hours each

HLTH 332/3.0: Foundations for Understanding Disability: A Health Perspective, Fall 2022

This course provides upper-year students with a solid understanding of disability. Key disability concepts, such as definitions and models of disability, attitudes, human rights, accessibility, policy, and barriers are introduced and their relevance to health, quality of life and participation in several life domains are examined.

Instructor: Dr. Jennifer Tomasone

Enrolment: 170; *Components:* Lecture

TA allocation: 1 Admin TA at 40 hrs and 4 TAs at 90 hrs each

HLTH 333/3.0: Contemporary Issues in Human Sexuality, Fall 2022

An investigation of current influences on sexual health. Issues will be considered from social, political, and historical perspectives. Topics which may be covered include sex education; lesbian, gay, bisexual, and transgender issues; sexual human rights; sexuality and war; HIV/AIDS; the history of marriage; and sexual violence.

Instructor: Dr. Mary Louise Adams

Enrolment: 88; *Components:* Lecture and tutorials

TA allocation: 4 TAs at 90 hrs each

HLTH 397/3.0: Special Topic Health Studies (Topic ID: Globalization and Black Health), Fall 2022

Globalization provides a key context for the study of social determinants of health (SDH): the conditions in which people live and work, and their access to opportunities for healthy lives and wellbeing. This new world order is marked by new actors, new rules of governance, new forms of communication, and the global movement of populations. This course will examine economic, social, technological and importantly the political dimensions of globalization and how these impact the health and wellbeing of Black populations, identifying opportunities and risks.

Instructor: Dr. Joseph Kangmennaang
Enrolment: 60; *Components:* Lecture
TA allocation: 2 TAs at 80 hrs each

HLTH 416/3.0: Program Planning and Evaluation, Fall 2022

An examination and application of the principles of program planning in a variety of settings. Topics will include needs assessment, intervention design and implementation, and evaluation. Students will develop a program plan.

Instructor: Dr. Lucie Lévesque
Enrolment: 85; *Components:* Lecture/seminar and active learning
TA allocation: 1 TA at 30 hrs and 2 TAs at 85 hrs.

HLTH 434/3.0: Social Movements in Health, Fall 2022

This course explores the proliferation of health social movements since the 1970s. Bringing together the interdisciplinary study of health and illness with social movement theory, the course analyses the strategies, goals, and outcomes of political organizing around conditions ranging from HIV/AIDS to sick building syndrome. Students will lead seminar discussions and undertake original research on a movement of their choice.

Instructor: TBC
Enrolment: 25; *Components:* Seminar
TA allocation: 1 TA at 20 hrs

HLTH 437/3.0: Seminar on Harm Reduction, Fall 2022

Covers the philosophy, history, implementation, and efficacy of interventions that aim to reduce adverse consequences of legal and illegal drug use, without a focus on drug use abstinence. Examples are drawn from Canada and worldwide. Also covers the application of harm reduction to other public health domains such as gambling and sex work.

Instructor: Dr. Stevenson Fergus
Enrolment: 25; *Components:* Lecture
TA allocation:

HLTH 497/3.0: Special Topics Course: Topic ID (001): Environment and Health, Fall 2022

This seminar course provides advanced review of the major theoretical and epistemological approaches to the study of environment and health. Students will be exposed to academic literature across several disciplines that engage with environment-health nexus. The course is designed to provide a strong foundation for students interested in continuing into graduate level studies or public advocacy roles in population health promotion and related fields, with competencies in concepts and practices pertaining to ecohealth, therapeutic landscapes, One health, planetary health, and other current paradigms.

Instructor: Dr. Elijah Bisung
Enrolment: 25; *Components:* Seminar
TA allocation: 1 TA at 20 hrs

HLTH 497/3.0: Special Topics Course: Topic ID (002): Ecological Embodiment, Fall 2022

Is a high protein diet bad for the planet? What does it mean to hike on stolen land? Can I wear yoga pants and still be a friend to fish? This course will consider a variety of approaches to answering such questions. We will start from the premise that “the environment” is not located outside the body, but is instead part and parcel of it. Understanding what “ecological embodiment” means, and what it implies for thinking about health in the context of climate change, will form the focus of our work. Drawing on a broad range of interdisciplinary literature on food, fitness, and the environment, we will undertake case studies of topics ranging from mud

running to the microbiome, and from protein power to the paleo diet. We will be guided, especially, by scholarship in Indigenous, critical race, feminist, multispecies and science studies as we learn to think relationally, rather than individually, about diet and exercise.

Instructor: Dr. Samantha King

Enrolment: 25; *Components:* Seminar

TA Allocation: 1 TA at 20 hrs

KNPE courses (Fall 2022):

KNPE 153/3.0: Introductory Biomechanics, Fall 2022

This course will present the fundamentals of biomechanics which includes an understanding of joint structure and function, forces and moments, tools used to record motion and use of these tools for description of motion and skill evaluation.

Instructor: New faculty hire

Enrolment: 186; *Components:* Lecture and tutorials

TA allocation: 4 TAs at 90 hrs each

KNPE 225/3.0: Advanced Human Physiology, Fall 2022

The emphasis will be placed on understanding the concept of homeostasis and the integrated control of cellular and organ responses involved in regulation to maintain homeostasis. Special emphasis will be placed on the systems that respond to exercise stress.

Instructor: Stacey Forbes and Lindsay Lew

Enrolment: 200; *Components:* Lecture and tutorials

TA allocation: 4 TAs at 100 hrs each

KNPE 237/3.0: Child and Adolescent Motor Development, Fall 2022

This course is designed to provide students with a foundation of knowledge that will help them understand the development of motor skills throughout the lifespan. This course is an exploration of the physiological, psychosocial, and pedagogical aspects of motor development.

Instructor: Dr. Gerome Manson

Enrolment: 60; *Components:* Lecture

TA allocation: 2 TAs at 60 hours each

KNPE 251/3.0: Introduction to Statistics, Fall 2022

An introduction to the analysis of data from real life situations. Covers study design, descriptive and inferential statistics. Topics include probability, t-tests, regression, Chi-square tests, analysis of variance. Emphasis is in the foundation of statistical inference and practical application of statistical methods using statistical software.

Instructor: Dr. Sarah Yakimowski (Dept of Biology)

Enrolment: 270; *Components:* Lecture and lab

TA allocation: TBC – 1 or 2 TAs from SKHS at 130 hrs each

KNPE 261/3.0: Theory of Motor Behaviour and Motor Learning, Fall 2022

Provides an introductory understanding of how we control our movements and learn new motor skills. Explores current theories in motor control and learning, as well as the foundational sensorimotor and behavioural evidence that underpin these theories. A focus will be placed on applying this understanding to rehabilitation of movement disorders and acquisition of sport.

Instructor: Dr. Gerome Manson

Enrolment: 200; *Components:* Lecture and Lab

TA allocation: 5 TAs at 100 hrs each

KNPE 265/3.0: Psychology of Sport and Exercise, Fall 2022

This course will introduce both theoretical and applied/professional aspects of human social behaviour in sport and exercise settings.

Instructor: Dr. Jean Côté

Enrolment: 215; *Components:* Lecture

TA allocation: 6 TAs at 70 hrs each

KNPE 330/4.5 and KNPE 430/4.5: Athletic Therapy Mini-Stream, Fall & Winter 2022-23

Working with the Coordinator of Athletic Therapy in Queen's Athletics, students will complete a field placement that involves assignment to a varsity team as a student trainer. Student trainers are responsible for onsite coverage of the team during competition and possibly during practices. The student trainers are also responsible for the taping needs of athletes on the team, and assisting with assessment and rehabilitation.

Mini-Stream Coordinator: Ryan Bennett (Athletics)

Enrollment: 45; *Components:* practicum

TA allocation: 1 TA at 50 hrs per term (100 hrs total for full-year)

Special note: Previous experience related to athletic therapy considered an asset.

KNPE 335/3.0: Healthy Aging, Fall 2022

This course looks at what happens to the body as we age, including an examination of the physiological, psychological and emotional changes that occur during the aging process. The role of a healthy lifestyle in achieving quality of life as we age is a key perspective.

Instructor: Madison Robertson

Enrolment: 120; *Components:* Lecture

TA allocation: 4 TAs at 80 hrs each

KNPE 336/3.0: Community Field Placement in Disability and Physical Activity, Fall 2022

Students gain experience assisting adults with a disability to engage in exercise. Students develop an understanding of the nature of disability, the benefits of exercise, factors that promote exercise participation, and appropriate exercise prescription.

Instructor: Dr. Jennifer Tomasone

Enrolment: 27; *Components:* Seminar and practicum

TA allocation: TBC 2 – 3 TAs (hours vary)

Special note: TAs in this course must have previous experience with exercise programming for people with disabilities.

KNPE 346/4.5 and KNPE 446/4.5: Strength & Conditioning Mini-Stream, Fall & Winter 2022-23

Working with the Strength and Conditioning Head Coach in Queen's Athletics, students will complete a field placement that involves a range of practical experiences in the area of strength and conditioning programs for elite athletes. Practical sessions will be rotated weekly in order to provide students with a variety of experiences in program delivery, training sessions, and testing.

Mini-Stream Coordinator: Colin McAuslan (Athletics)

Enrollment: 30; *Components:* seminar & practicum

TA allocation: 1 TA at 60 hrs per term (120 total for full-year)

Special note: Previous experience related to strength & conditioning considered an asset.

KNPE 349/3.0: Sports Nutrition, Fall 2022

The aim of this course is to provide foundational knowledge regarding the basic physiological pathways that support energy production during endurance-type and resistance-type exercise. After establishing this knowledge, you will then investigate and critically evaluate nutritional interventions to potentiate these energy systems and promote post-exercise recovery. Finally, you will develop and apply bespoke nutritional interventions to maximize sporting performance.

Instructor: Dr. Chris McGlory

Enrolment: 40; *Components:* Lecture and lab

TA Allocation: 2 TAs at 50 hrs each

KNPE 355/3.0: Clinical Fitness Assessment Laboratory, Fall 2022

A lecture/laboratory experience designed to help prepare students to participate in a variety of multidisciplinary clinical and/or professional environments. Concept and skill development pertaining to exercise/lifestyle for general as well as selected special populations will prepare students for experiences in clinical and medical settings.

Instructor: Dr. Nicole Beamish

Enrolment: 80; *Components:* Lecture and lab

TA allocation: 4 TAs at 110 hrs each

KNPE 363/3.0: Team Dynamics in Sport: Theory and Practice, Fall 2022

This course explores group dynamics in sport and involves the integration of theory, research, and practice. Topics include team structure (e.g. roles), its processes (e.g., communication), and emergent states (e.g., cohesion). Students will be encouraged to critically analyze the body of research and discuss relevant practical implications.

Instructor: Dr. Luc Martin

Enrolment: 60; *Components:* Lecture

TA allocation: 3 TAs at 75 hrs each

KNPE 366/3.0: Race, Sport and Physical Activity, Fall 2022

This course offers a critical exploration into how the social construction of race affects sport, health, and physical activity cultures, how sport may influence our understanding of race in society. We discuss how racism exists in these sporting spaces. The end goal is to understand how sport and health practitioners can incorporate anti-racism work.

Instructor: Dr. Courtney Szto

Enrolment: 60; *Components:* Lecture

TA allocation: 2 TAs at 70 hrs each

KNPE 400/3.0: Professional Practice in Allied Health, Fall 2022

Through problem-based learning, students will gain an understanding of what it means to be an applied health care professional. Students will work collaboratively on case studies and develop critical thinking skills to prepare them as they transition to their careers as health care practitioners.

Instructor: Dr. Nicole Beamish

Enrolment: 186; *Components:* Lecture and tutorials

TA allocation: 6 TAs at 90 hrs each

KNPE 436/3.0: Advanced Placement in Disability and Physical Activity, Fall 2022

Students gain leadership experience in an exercise program for adults with a disability. Students develop an understanding of the operational considerations to run an adapted exercise program including the necessary

human and financial resources, and the skills to develop, implement, and evaluate exercise opportunities for persons with a disability.

Instructor: Dr. Jennifer Tomasone

Enrolment: 25; *Components:* Seminar and practicum

TA allocation: TBC 2 – 3 TAs (hours vary)

Special note: TAs in this course must have previous experience with exercise programming for people with disabilities.

KNPE 465/3.0: Sport Participation and Performance, Fall 2022

An exploration of the theoretical and empirical work in the development of sport participation and performance. Specific discussion of the developmental aspects and learning conditions that allow individuals to maintain participation and reach high levels of excellence in sport will be included.

Instructor: Dr. Jean Côté

Enrolment: 25; *Components:* Seminar

TA allocation: 1 TA at 20 hrs

KNPE 473/3.0: Sport and Culture, Fall 2022

This course draws on critical theories to look at sport in Western cultures. It examines sport's contribution to systems of gender, race, class, sexuality and ability. Topics include sport's relationship to nationalism, media, commodification, globalization, and the environment.

Instructor: Dr. Mary Louise Adams

Enrolment: 24; *Components:* Lecture

TA Allocation: 1 TA at 20 hrs

WINTER TERM 2023

HLTH courses:

HLTH 101/3.0: Social Determinants of Health, Winter 2023 *(Arts and Science Online offering)*

This course introduces students to basic concepts in public, population and global health, and introduces social determinants of health, such as poverty, income inequality, and racism, in Canadian and global contexts.

Instructor: Eun Jung

Enrolment: 400; *Components:* Online

TA allocation: TBC by ASO; estimate 8 TAs at 100 hrs each

HLTH 102/3.0: Personal Health and Wellness, Winter 2023

This course provides an introduction to the variety of factors which could affect a person's health and wellness.

Instructor: Dr. Jennifer Tomasone

Enrolment: 425; *Components:* Lecture

TA allocation: 1 Admin TA at 120 hrs and 6 TAs at 65 hrs each

HLTH 200/3.0: Physical Health and Exercise Programming, Winter 2023 *Arts and Science Online (ASO) Offering)*

This course introduces students to the principles of planning and implementing a personal fitness program. Students will gain an understanding of the importance of physical activity in relation to health and wellness and the adaptations and benefits to exercising. The students will learn how to design and implement an effective training program.

Instructor: Dr. Nicole Beamish

Enrolment: 250; *Components:* Online

TA allocation: TBC by ASO; estimate 6 TAs at 60 hrs each

HLTH 230/3.0: Basic Human Nutrition, Winter 2023 (Arts and Science Online (ASO) Offering)

Study of macronutrients, selected micronutrients, energy needs for human performance, relationship of nutrient metabolism to health, consequences of nutrient deficiencies and excesses. Examine how student's own food intake may influence present and future nutritional well-being.

Instructor: Jeffrey Lalonde

Enrolment: 250; *Components:* Online

TA allocation: TBC by ASO; estimate 5 TAs at 70 hrs each

HLTH 235/3.0: Food Systems, Winter 2023

This course introduces contemporary issues in the dominant food system and the ways in which food production, distribution and consumption produce and reproduce relations of power.

Instructor: Dr. Elaine Power

Enrolment: 170; *Components:* Lecture

TA allocation: 3 TAs at 100 hrs each

HLTH 237/3.0: An Introduction to Drugs, Drug Use and Drug Dependence, Winter 2023

This course provides students with a contemporary and evidence-informed perspective on drugs, addiction, harm reduction and treatment. From pharmacokinetics to public policy, and from psychedelics to behavioural addictions, we examine the timeless human interaction with these peculiar substances.

Instructor: Dr. Stevenson Fergus

Enrolment: 170; *Components:* Lecture

TA Allocation: 5 TAs at 60 hrs each

HLTH 300/3.0 and KNPE 300/3.0: Community-Based Practicum, Winter 2023

A community-based practicum for Health Studies students to apply knowledge gained in theory-based courses and develop a range of professional skills. Practicum opportunities vary year to year, subject to availability of an appropriate placement in a relevant workplace setting.

Instructor: Michelle Shorey

Enrolment: 25; *Components:* Seminar & practicum

TA allocation: 1 TA at 20 hrs

HLTH 305/3.0: Fundamentals of Health Policy, Winter 2023

An overview of the fundamentals of health policy with an emphasis on the Canadian context. Topics to be discussed include history of the Canadian public health care system; the Canada Health Act; the political and economic environment of the Canadian health care system; issue and challenges in Canadian health policy; and comparative perspectives.

Instructor: Dr. Stevenson Fergus

Enrolment: 170; *Components:* Lecture

TA allocation: 5 TAs at 70 hrs each

HLTH 323/3.0: Epidemiology, Winter 2023

Basic methods involved in researching the distribution and determinants of health and disease in populations. Core measurement (rates, standardization, impact, association) and interpretation (bias, confounding, interaction, chance) issues are covered. The course also examines epidemiological approaches to study design

including descriptive (cross-sectional and ecological), observational (case-control and cohort), and experimental (randomized controlled trials) approaches. Restricted to students in a concentration in health studies, kinesiology or physical and health education.

Instructor: Dr. Eun-Young Lee

Enrolment: 120; *Components:* Lecture

TA allocation: 5 TAs at 54 hrs each

HLTH 331/3.0: Advanced Human Nutrition, Winter 2023

Current issues relating to nutrition and health promotion/disease prevention. Such topics as cardiovascular disease, weight control, eating disorders, nutrient needs during the life cycle, fads and quackery, sociocultural, economic and media influences. Topics may vary.

Instructor: Dr. Chris McGlory

Enrolment: 170; *Components:* Lecture

TA allocation: 2 TAs at 100 hrs each and 1 TA at 90 hrs

HLTH 334/3.0: Health, Illness and Society, Winter 2023

Explores cultural meanings of health and illness, the power dynamics through which these meanings are constructed, and related injustices in bodily experiences.

Instructor: Dr. Samantha King

Enrolment: 88; *Components:* Lecture and tutorials

TA allocation: 4 TAs at 90 hrs each

HLTH 350/3.0: Topics in Global Health, Winter 2023

This course examines global health from a variety of perspectives, including anthropological, epidemiological, and sociological, to help understand the cultural and historical patterns shaping global health inequalities. With an emphasis on resource-poor countries, specific topics may include infectious and non-communicable diseases, nutrition and maternal health.

Instructor: Dr. Elijah Bisung

Enrolment: 90; *Components:* Lecture

TA allocation: 3 TAs at 80 hrs each

HLTH 417/3.0: Community-Based Programming and Evaluation, Winter 2023

Designed to advance student understanding of health promotion program planning, implementation, and evaluation, this course uses seminar discussion and community-based activities to provide students with core competencies required in health promotion and public health practice. Students complete a service learning project with community partners.

Instructor: Colin Baillie

Enrolment: 40; *Components:* Lecture/seminar & community-based project

TA allocation: 1 TA at 100 hrs

HLTH 445/3.0: Critical Health Promotion, Winter 2023

This course provides advanced study of the major theoretical and methodological approaches in critical health promotion. Students will be primarily exposed to academic literature across several disciplines that engage with critical health promotion. Case studies of health promotion practice that illustrate critical perspectives will be discussed.

Instructor: Dr. Eun-Young Lee

Enrolment: 25; *Components:* Seminar

TA Allocation: 1 TA at 20 hrs

HLTH 493/3.0: Special Topics Course: Indigenous Resilience, Winter 2023

“Indigenous Resilience and Vitality Across Turtle Island and Beyond”. This seminar course will introduce students to Indigenous resilience and vitality by examining the socio-political history and current context of colonization on Turtle Island. Students will explore topics that focus on the emerging field of Indigenous Health Promotion including Indigenous conceptualizations of health, determinants of health, approaches to health care, medicine and cultural safety for health workers and practitioners. Students will engage with research, in both conventional and non-conventional forms, that is conducted by Indigenous peoples and that centers Indigenous voices. Readings for this course will exclusively highlight key research done by Indigenous scholars and grey literature published by Indigenous-led organizations. This seminar will encourage transformative thinking by going beyond dominant Western bio-medical discourse through reflection, discussion and experiential learning. By the end of this course students will be able to identify forms of Indigenous resilience and vitality so they can work alongside Indigenous movements of resistance and resurgence to promote the self-determination for Indigenous peoples’ health.

Instructor: Brittany McBeath

Enrolment: 25; *Components:* Seminar

TA allocation: 1 TA at 20 hrs

KNPE Courses (Winter 2023):

KNPE 125/3.0: Introduction to Human Physiology, Winter 2023

This course provides an introduction to human physiology from the cellular to the systemic level with special emphasis on the systems that adapt to exercise stress. The following areas will be covered: the cell, nervous system, skeletal muscle system, respiratory system, cardiovascular system, neuroendocrine system, and renal system.

Instructors: Stacey Forbes and Lindsay Lew

Enrolment: 260; *Components:* Lecture

TA allocation: 1 Admin TA at 100 hrs and 4 TAs at 25 hrs each

KNPE 167/3.0: Socio-Cultural Dimensions of Sport and Physical Activity, Winter 2023

An introduction to sociological thinking about sport and physical activity. Among the topics to be discussed are: an exploration of what constitutes sport and under what conditions; how social relations of class, race, gender, and sexuality shape sport experiences; the business of sport; and the relationship between the media and sport.

Instructor: Dr. Courtney Szto

Enrolment: 180; *Components:* Lecture and tutorials

TA allocation: 1 Admin TA with 10 hrs in Fall term and 130 hrs in winter term; 5 TAs at 120 hrs each

Special note: KNPE 167 is a part of the Writing Instruction for TAs (WIT) program in SKHS. TAs receive additional training on how to teach and provide effective feedback on student writing.

KNPE 227/3.0: Exercise Physiology, Winter 2023

An introduction to the basic components of physiology as they apply to health, fitness and exercise physiology.

Instructor: Dr. Michael Tschakovsky

Enrolment: 200; *Components:* Lecture

TA allocation: 4 TAs at 80 hrs each

Special note: TAs in this course must have either taken KNPE 225 (Advanced Human Nutrition) or held a TA position in KNPE 225 before assuming a TAship in KNPE 227.

KNPE 254/3.0: Biomechanical Analysis of Human Movement, Winter 2023

Students will learn to apply the knowledge and skills acquired in KNPE 153 to conduct detailed analyses of human movement including how to analyze human movement using information obtained from different measurement tools. Examples will be used to demonstrate how biomechanics can be used to enhance and maintain human health, fitness and performance.

Instructor: Dr. Jessica Selinger

Enrolment: 200; *Components:* Lecture and labs

TA allocation: 4 TAs at 115 hrs each

KNPE 255/3.0: Physical Activity, Fitness and Health, Winter 2023

An introduction to the interrelationships between physical activity, fitness and health. Current techniques for the measurement of health-related fitness components, evaluation of diet, weight loss principles, psychological aspects of fitness and suitable activities for fitness development. Concepts related to prescription of physical activity and exercise counselling are introduced.

Instructor: Dr. Bob Ross

Enrolment: 200; *Components:* Lecture

TA allocation: 1 Admin TA at 80 hrs and 3 TAs at 65 hrs each

KNPE 327/3.0: Exercise Physiology Laboratory, Winter 2023

A laboratory experience designed to establish understanding of, and technical skills in, the measurement of human physiological responses and performance capacity in exercise. Students will develop familiarity with tests of physiological function during rest and exercise in preparation for work in human performance, clinical and medical settings.

Instructor: Dr. Nicole Beamish

Enrolment: 40; *Components:* Lecture and labs

TA Allocation: 2 TAs at 100 hrs each

KNPE 330/4.5 and KNPE 430/4.5: Athletic Therapy Mini-Stream, Fall & Winter 2022-23

Working with the Coordinator of Athletic Therapy in Queen's Athletics, students will complete a field placement that involves assignment to a varsity team as a student trainer. Student trainers are responsible for onsite coverage of the team during competition and possibly during practices. The student trainers are also responsible for the taping needs of athletes on the team, and assisting with assessment and rehabilitation.

Mini-Stream Coordinator: Ryan Bennett (Athletics)

Enrollment: 45; *Components:* practicum

TA allocation: 1 TA at 50 hrs per term (total 100 hrs for full-year)

Special note: Previous experience related to athletic therapy considered an asset.

KNPE 331/3.0: Care and Prevention of Athletic Injuries, Winter 2023

The care and prevention of common athletic injuries with emphasis placed on the practical portion of taping and wrapping of athletic trauma.

Instructor: Dave Ross

Enrolment: 120; *Components:* Lecture and labs

TA allocation: 3 TAs at 70 hrs each

Special note: TAs in this class must have previous experience with taping athletic injuries.

KNPE 336/3.0: Community Field Placement in Disability and Physical Activity, Winter 2023

Students gain experience assisting adults with a disability to engage in exercise. Students develop an understanding of the nature of disability, the benefits of exercise, factors that promote exercise participation, and appropriate exercise prescription.

Instructor: Dr. Jennifer Tomasone

Enrolment: 27; *Components:* Seminar and practicum

TA allocation: TBC 2 – 3 TAs (hours vary)

Special note: TAs in this course must have previous experience with exercise programming for people with disabilities.

KNPE 337/3.0: Physical Activity Promotion for Children and Youth, Winter 2023

This course explores topics such as theoretical models of motivation, interest, and interpersonal behaviours, and the design, implementation, and provision of inclusive physical activity environments for children/youth. This course emphasizes the application of theory through activity-based classroom sessions and community placements.

Instructor: Beth Barz

Enrolment: 36; *Components:* Lecture, lab and practicum

TA allocation: 2 TAs at 45 hrs each

Special note: Preference will be given to TAs with previous experience leading physical activity programming for children.

KNPE 345/3.0 The Science and Methodology of Sport Training Conditioning Programs, Winter 2023

This course focuses on the development of sport conditioning programs from periodization concepts to specific training components and how the components can be integrated to create a comprehensive and balanced athlete training plan. Laboratory sessions will work on skill development applicable to conducting training and conditioning programs.

Instructors: Colin McAuslan & Evan Karagiozov

Enrolment: 60; *Components:* Lecture & labs

TA allocation: 1 TA at 75 hrs

KNPE 346/4.5 and KNPE 446/4.5: Strength & Conditioning Mini-Stream, Fall & Winter 2022-23

Working with the Strength and Conditioning Head Coach in Queen's Athletics, students will complete a field placement that involves a range of practical experiences in the area of strength and conditioning programs for elite athletes. Practical sessions will be rotated weekly in order to provide students with a variety of experiences in program delivery, training sessions, and testing.

Mini-Stream Coordinator: Colin McAuslan (Athletics)

Enrollment: 30; *Components:* seminar & practicum

TA allocation: 1 TA at 60 hrs per term (total 120 hrs for full-year)

Special note: Previous experience related to strength & conditioning considered an asset.

KNPE 354/3.0: Occupational Biomechanics and Physical Ergonomics, Winter 2023

An introduction to occupational biomechanics and physical ergonomics. The course will apply principles of biomechanics to describe relationships between job demands, functional/tissue capacities and work-related injury. Demand, capacity and injury risk evaluation tools will also be presented.

Instructor: New faculty hire

Enrolment: 45; *Components:* Lecture

TA allocation: 4 TAs at 50 hrs each

KNPE 365/3.0: Motivational Interviewing for Physical Activity Behaviour, Winter 2023

Study of strategies to enhance intrinsic motivation and self-regulation for physical activity and health behaviour change in clinical settings. Students will learn and practice motivational interviewing skills for behaviour change in intensive weekly tutorial sessions.

Instructor: Dr. Lucie Lévesque

Enrolment: 80; *Components:* Lecture and labs

TA allocation: 1 TA at 30 hrs (Fall term); 2 TAs at 60 hrs and 2 TAs at 125 hrs (Winter term)

KNPE 397/3.0; Special Topics Course: Topic ID: Experiments in Neuromechanics, Winter 2023

This laboratory course will focus on advanced principles and techniques used in experiments in Neuromechanical Kinesiology, including applications in biomechanics, motor control, and neurophysiology. The objective of the course is to provide students with hands-on experience in scientific study design, human instrumentation and data collection, signal processing and data analysis, and scientific report writing. These skills are intended to prepare students interested in pursuing careers involving the collection and/or interpretation of human data, be it a research, clinical, or industry setting.

Instructor: Dr. Jessica Selinger

Enrolment: 20; *Components:* Lecture/lab

TA allocation: 1 TA at 100 hrs

KNPE 433/3.0: Global Sport and Disability, Winter 2023

The UN recognizes the important role of sport participation in promoting physical and mental health as well as fundamental human rights. This course will critique the use of sport and recreation on a global level as a tool for improving the lives of people with disabilities with the goal of removing barriers and enabling participation for all.

Instructor: Janet Lawson

Enrolment: 25; *Components:* Seminar

TA allocation: 1 TA at 20 hrs

KNPE 436/3.0: Advanced Placement in Disability and Physical Activity, Winter 2023

Students gain leadership experience in an exercise program for adults with a disability. Students develop an understanding of the operational considerations to run an adapted exercise program including the necessary human and financial resources, and the skills to develop, implement, and evaluate exercise opportunities for persons with a disability.

Instructor: Dr. Jennifer Tomasone

Enrolment: 25; *Components:* Seminar and practicum

TA allocation: TBC 2 – 3 TAs (hours vary)

Special note: TAs in this course must have previous experience with exercise programming for people with disabilities.

KNPE 449/3.0: Advanced Protein Metabolism, Winter 2023

This seminar-based course will critically analyze a range of classic and contemporary literature related to the study of human muscle protein turnover in both the athletic and clinical setting. Specifically, the role of nutrition and exercise in controlling the size of skeletal muscle mass will be examined as well as the cellular and molecular factors that regulate protein turnover. Students will also gain a theoretical understanding regarding the use of stable isotopes in human metabolic research.

Instructor: Dr. Chris McGlory

Enrolment: 25; *Components:* Seminar

TA allocation: 1 TA at 25 hrs

KNPE 455/3.0: Advanced Physical Activity and Health, Winter 2023

Provides advanced understanding of concepts related to the use of physical activity/lifestyle as a strategy for reducing morbidity and mortality in general and selected special populations in preparation to participate in a variety of multidisciplinary clinical and/or professional health care environments.

Instructor: Dr. Bob Ross

Enrolment: 36; *Components:* Lecture/seminar

TA allocation: 1 TA at 30 hrs each

KNPE 493/3.0: Special Topics in Kinesiology: Topic ID: Locomotor Neuromechanics, Winter 2023

In this seminar-based course students will read, evaluate and discuss classic and contemporary scientific literature related to the mechanics, energetics, and control of human locomotion. We will explore current theories in biomechanics and motor control, as well as the foundational behavioral and sensorimotor evidence that underpin these theories. A focus will be placed on applying this understanding to the rehabilitation of movement disorders and the design and control of robotic assistive devices.

Instructor: SKHS Postdoctoral Fellow

Enrolment: 45; *Components:* Lecture/Seminar

TA allocation: 2 TAs at 40 hrs each

**GRADUATE COURSES
WINTER 2023**

KHS 891: Statistics, Winter 2022

A seminar course which will acquaint the students with the concepts and principles of quantitative statistical analysis including parametric and non-parametric methods. Students will present various topics throughout the course and critically evaluate research in their area of study.

Instructor: Dr. Ian Janssen

Enrolment: 20; *Components:* Seminar

TA allocation: 1 TA at 60 hrs

SUMMER 2023 (12 weeks)

HLTH 101/3.0: Social Determinants of Health, Summer 2023 (Arts and Science Online (ASO) offering)

This course introduces students to basic concepts in public, population and global health, and introduces social determinants of health, such as poverty, income inequality, and racism, in Canadian and global contexts.

Instructor: Dr. Stevenson Fergus

Enrolment: 300; *Components:* Online

TA allocation: TBC by ASO; estimate 6 TAs at 100 hrs each

HLTH 205/3.0: Introduction to Health Promotion, Summer 2023 (Arts and Science Online (ASO) offering)

A survey of the practice of health promotion. Topics include the field's history, philosophies of health promotion, the social ecological framework, program planning and evaluation, practitioner skills and competencies, cultural competence, ethics, the use of theory, community organizing, social marketing, harm reduction, information literacy, and health promotion practice in selected settings.

Instructor: Dr. Stevenson Fergus

Enrollment: 150; *Components:* Online

TA allocation: TBC by ASO; estimate 2 TAs at 100 hrs each

HLTH 230/3.0: Basic Human Nutrition, Summer 2023 (Arts and Science Online (ASO) Offering)

Study of macronutrients, selected micronutrients, energy needs for human performance, relationship of nutrient metabolism to health, consequences of nutrient deficiencies and excesses. Examine how student's own food intake may influence present and future nutritional well-being.

Instructor: Jeffrey Lalonde

Enrolment: 250; *Components:* Online

TA allocation: 5 TAs at 70 hrs each

HLTH 332/3.0: Foundations for Understanding Disability: A Health Perspective, Summer 2023 (Arts and Science Online (ASO) Offering)

This course provides upper-year students with a solid understanding of disability. Key disability concepts, such as definitions and models of disability, attitudes, human rights, accessibility, policy, and barriers are introduced and their relevance to health, quality of life and participation in several life domains are examined.

Instructor: Kasie Murphy

Enrolment: 150; *Components:* online

TA allocation: TBC by ASO; estimate 4 TAs at 75 hrs each

KNPE 336/3.0: Community Field Placement in Disability and Physical Activity, Summer 2022 (ON CAMPUS)

Students gain experience assisting adults with a disability to engage in exercise. Students develop an understanding of the nature of disability, the benefits of exercise, factors that promote exercise participation, and appropriate exercise prescription.

Instructor: Dr. Jennifer Tomasone

Enrolment: 20; *Components:* Seminar and practicum

TA allocation: TBC; 2-3 TAs (hours vary)

Special note: TAs in this course must have previous experience with exercise programming for people with disabilities.

KNPE 436/3.0: Advanced Placement in Disability and Physical Activity, Summer 2022 (ON CAMPUS)

Students gain leadership experience in an exercise program for adults with a disability. Students develop an understanding of the operational considerations to run an adapted exercise program including the necessary human and financial resources, and the skills to develop, implement, and evaluate exercise opportunities for persons with a disability.

Instructor: Dr. Jennifer Tomasone

Enrolment: 20; *Components:* Seminar and practicum

TA allocation: TBC; 2 TAs (hours vary)

Special note: TAs in this course must have previous experience with exercise programming for people with disabilities.