



Bachelor of Health Sciences (Honours)

Kinesiology Major

Student Handbook



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SECTION 1: PROGRAM BACKGROUND

THE STUDY OF KINESIOLOGY

Kinesiology is the study of human movement in all of its forms. The Kinesiology major at Ontario Tech University is nationally accredited by the Canadian Council of Physical Education and Kinesiology Administrators (CCUPEKA). This accreditation ensures that course content meets strict guidelines to provide students with the knowledge and skills required to work in the field of kinesiology. Our program provides a focused set of options directed toward understanding human movement for health and performance. Students learn about human physiology, and how it is altered by exercise; about biomechanics and how to prevent workplace injuries; about the importance of physical activity for individuals with chronic conditions or disabilities; about motor control and pain; about sport psychology and the impact on sport performance; and much more. Through the wide range of required and elective kinesiology courses, students will gain hands-on experience in laboratory sessions as well as placements. Students can pursue either a Kinesiology or Athletic Therapy internship, and may also complete a research Practicum, to further develop competency in their chosen field. Kinesiology internships can range from placements in fitness facilities, cardiac rehabilitation programs, special needs, rehabilitation clinics, national sports organizations, and more. The Athletic Therapy internship involves placement as a student therapist with a varsity athletic team and students become certified as Advanced Medical First Responders. The Research Practicum is completed under the supervision of one of our many internationally recognized scientists in a laboratory or community setting. All of these opportunities are for credit.



Kinesiology graduates will be prepared to embark on a wide variety of careers in health, sport, research, or private practice. Graduates of the Kinesiology major will have covered the core competencies required by the College of Kinesiologists of Ontario as well as a number of additional certifications relevant to the various fields in Kinesiology. Those interested in pursuing these certifications will generally require additional practical experience before writing the registration exams. Students will also be eligible to apply for admission to several professional postgraduate programs including, but not limited to, physical therapy, occupational therapy, medical school, law school, master's in business administration, research-based masters in Kinesiology, and much more. ***Those interested in professional schools are advised to check the requirements of individual institutions early on to ensure that they have completed any required courses.***

PROGRAM MISSION, VISION & OBJECTIVES

MISSION

The purpose of the Kinesiology major at Ontario Tech University is to create an academic environment of scholarship, learning, and student success:

- To support a culture of academic scholarship that generates new knowledge through innovative, creative, and collaborative interdisciplinary research;
- To provide high quality Undergraduate and Post Graduate programs which incorporate experiential learning and promote critical thinking and lifelong learning; and
- To improve the health of our students and our community through the creation and application of knowledge to support evidence-informed practice.

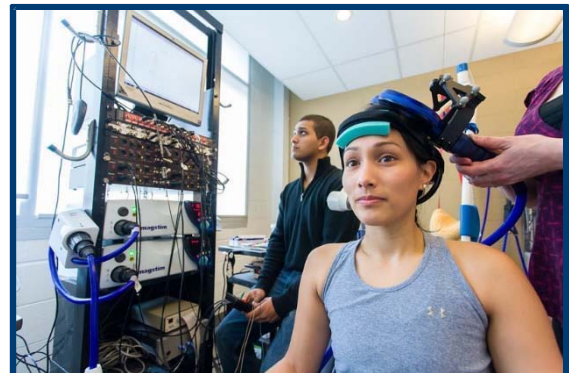
VALUES

As a major within Canada's leading technology enriched institution, Kinesiology strives to inspire a culture of discovery, innovation, and leadership in the interdisciplinary study of human movement and health promotion.

PROGRAM OBJECTIVES

The specific program objectives of Kinesiology at Ontario Tech are:

1. Core Knowledge
 - a. Understand human physiological processes
 - b. Recognize and evaluate human performance from multiple perspectives
 - c. Assess and evaluate human movement
 - d. Interpret, synthesize and integrate knowledge related to the field of Kinesiology in a variety of contexts
 - e. Identify the diversity of human movement from a multi-disciplinary perspective
2. Applied Knowledge
 - a. Apply theoretical knowledge into practical settings
 - b. Recognize the diversity of populations and adapt the practice of Kinesiology accordingly
 - c. Use appropriate tools in the practice of Kinesiology

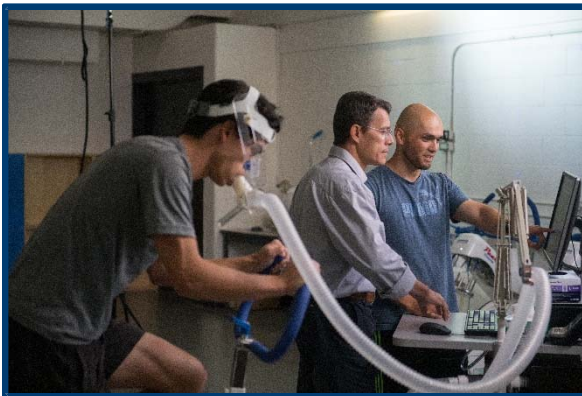


3. Communication

- a. Demonstrate the use of effective communication strategies with public and professionals from within the field of Kinesiology
- b. Communicate and understand the scope of Kinesiology

4. Professionalism

- a. Explain professional identity and advocate on its behalf
- b. Demonstrate professionalism, critical thinking and communication skills in a variety of settings
- c. Critically analyze new knowledge and integrate it into practice to ensure life-long learning
- d. Integrate knowledge in a variety of Kinesiology disciplines
- e. Demonstrate ethical practices



SECTION 2: FACULTY & STAFF

FULL-TIME KINESIOLOGY FACULTY

| | |
|--|---|
| Dr. Shilpa Dogra <i>Exercise and Movement Behaviour Science</i> Office: UAB 345 Email: Shilpa.dogra@ontariotechu.ca Phone: 905.721.8668 ext. 6240 | Dr. Joseph Gurgis Office: Email: Joseph.Gurgis@ontariotechu.ca Phone: |
| Dr. Nicholas La Delfa / Program Director <i>Biomechanics & Ergonomics</i> Office: UAB 347 Email: Nicholas.ladelfa@ontariotechu.ca Phone: 905.721.8668 ext. 2139 | Dr. Meghann Lloyd <i>Motor Behaviour / Adapted Physical Activity</i> Office: U5 21 Email: Meghann.lloyd@ontariotechu.ca Phone: 905.721.8668 ext. 5308 |
| Dr. Bernadette Murphy, Program Director <i>Neurophysiology</i> Office: UAB 348 Email: Bernadette.murphy@ontariotechu.ca Phone: 905.721.8668 ext. 2778 | Dr. Heather Sprenger <i>Exercise Physiology</i> Office: U5 22 Email: heather.sprenger@ontariotechu.ca Phone: 905.721.8668 ext. 3605 |
| Dr. Nick Wattie <i>Sport Psychology & Skill Acquisition</i> Office: U5 22 Email: Nick.wattie@ontariotechu.ca Phone: 905.721.8668 ext. 2248 | Dr. Paul Yelder <i>Neuroscience</i> Office: UAB 350 Email: paul.yelder@ontariotechu.ca Phone: 905.721.8668 ext. 2768 |

PROGRAM ADMINISTRATION

| | |
|---|--|
| Ian Barker <i>Laboratory Specialist</i> Office: ERC 1085 Email: ian.barker@ontariotechu.ca Phone: 905.721.8668 ext. 5352 | Ryan Foley <i>Laboratory Technician</i> Office: ERC 1085 Email: ryan.foley@ontariotechu.ca Phone: 905.721.8668 ext. 3567 |
| Academic Advising Office: 4 th Floor, Shawenjigewining Hall First Year Advising: Firstyear.HealthSciences@ontariotechu.ca Upper Year Advising: healthscience.advising@ontariotechu.ca Phone: 905.721.8668 ext. 3166 | Dr. Carol Rodgers <i>Exercise Physiology</i> <i>Dean of Health Science</i> Office: 4 th Floor, Shawenjigewining Hall Email: Carol.Rodgers@ontariotechu.ca |
| <u>Nadya Lim-Douglas</u> <i>Faculty of Health Sciences Librarian</i> | Samantha Provenzano <i>Undergraduate Program Assistant</i> Office: SHA 413 Email: samantha.provenzano@ontariotechu.ca Phone: 905.721.8668 ext. 6369 |

YOUR BHSc KINESIOLOGY DEGREE JOURNEY AT ONTARIO TECH



ACCEPT YOUR OFFER OF ADMISSION

Accept your offer online and submit your tuition deposit and all required documents before specified deadlines.



COMPLETE YOUR COURSES

Complete 120 Credits
The kinesiology program typically includes 22 required courses, 2 introductory science courses, and 16 elective courses.
For specific course requirements for each entrance stream, page 10-13



POST GRADUATION

Start your career, complete professional certifications, or attend post-graduate studies
For more information on post-graduate opportunities, see page 29.

APPLY TO THE KINESIOLOGY PROGRAM AT ONTARIO TECH

For more information on how to apply:
<https://admissions.ontariotechu.ca/applicant-information/index.php>



GET READY TO START YOUR UNIVERSITY CAREER

Attend your first year orientation!



GRADUATION

- Mini Checklist
- Check that you have completed all required courses
 - Apply to Graduate
 - Get your graduate photos taken
 - Attend Convocation
 - Celebrate



For more information, visit ontariotechu.ca

SECTION 3: CURRICULUM

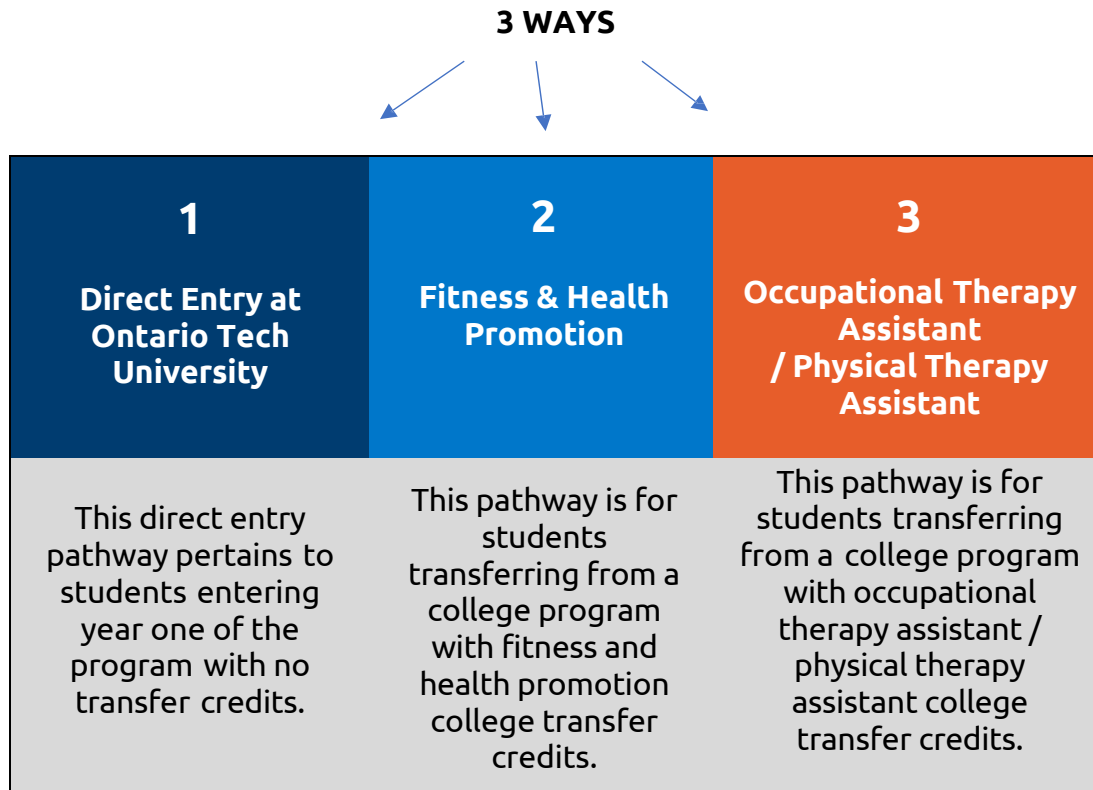
The core courses within the program are designed to expose students on an introductory level to a variety of topics and areas within the field of Kinesiology, both in the biophysical sciences (physiology, biomechanics, rehabilitation, health and wellness, aging) as well as within social sciences (sociology, psychology, public health and pedagogy).

Within the curriculum students will have the opportunity to develop in depth and specialized knowledge within their chosen area of interest. Students will also have the opportunity to choose courses from a variety of programs, faculties and areas that suit their passion. This curriculum allows students to experience and become immersed within the breadth that the field of Kinesiology has to offer.

There are 3 separate pathways that exist to enter the Honours Bachelor of Sciences Kinesiology program at Ontario Tech University. As well, students have the opportunity to apply to a bridge programs that exist with both CMCC and Durham College. It is the responsibility of each student to ensure that they are meeting all of their specific requirements.

ENTERING KINESIOLOGY AT ONTARIO TECH

Pathways into Kinesiology Major (Bachelor of Health Sciences (Honours))



BRIDGE OPTIONS FROM KINESIOLOGY AT ONTARIO TECH

| Bachelor of Health Sciences (Honours) & Canadian Memorial Chiropractic College (CMCC) |
|--|
| Students have the option to apply to complete the rehabilitation pathway and begin their studies at the Canadian Memorial Chiropractic College (CMCC) after their third year, with successful admission and completion of prerequisite Ontario Tech rehabilitation courses. Students who are successful in this pathway will complete 3 years in the Ontario Tech Kinesiology program and 4 years at CMCC. |

ENTRANCE PATHWAY: 1ST YEAR AT ONTARIO TECH UNIVERSITY

To be eligible for a Bachelor of Health Sciences (Honours) degree, Kinesiology major, students must successfully **complete 120 credit hours**, typically **40 courses**.

Degree and program requirements are subject to change without notice.

Required Courses for all Kinesiology students:

| | |
|-----------|---|
| KINE 1000 | Foundations in Kinesiology |
| KINE 1010 | Human Anatomy & Physiology I |
| KINE 1020 | Information Literacy and Written Communications |
| KINE 1030 | Quantitative Reasoning |
| KINE 1100 | Human Anatomy & Physiology II |
| KINE 1110 | Intro to Movement Neuroscience |
| KINE 1120 | Human Growth and Motor Development |
| KINE 1130 | Sociocultural Perspectives |
| KINE 2000 | Anatomy of Human Movement |
| KINE 2010 | Health and Indigenous People in Canada |
| KINE 2020 | Exercise Biochemistry |
| KINE 2030 | Psychology of Sport and Exercise |
| KINE 2040 | Biomechanics |
| KINE 2100 | Intro to Injury Management |
| KINE 2110 | Motor Control and Learning |
| KINE 2120 | Ethical Behaviour |
| KINE 2130 | Exercise Physiology |
| KINE 2140 | Research Methods |
| KINE 3000 | Fitness Assessment & Exercise Prescription |
| KINE 3010 | Critical Appraisal of Statistics |
| KINE 3100 | Nutrition and Health |
| KINE 4100 | Kinesiology Capstone |

Any two Biology (BIOL 1010 or BIOL 1020), or (BIOL 1011), or (BIOL 1841), or Chemistry (CHEM 1010) (CHEM 1020), or Psychology (PSYC 1000), or Social Sciences (SSCI 1300, SOCI 1000, COMM 1100) courses.

- *NOTE:* For students interested in biophysical aspects of Kinesiology, we recommend taking either one or two Biology courses as well as one or two Chemistry courses (additional courses will go towards the elective requirement).
- For students interested in psychosocial aspects of Kinesiology, we recommend taking Psychology and Sociology courses.
- *for special circumstances please see your advisor

A minimum of 8 KINE courses at the 3000 or 4000 level (electives)

- *NOTE:* Upper year Kinesiology courses should be chosen based on recommended course listings in the Kinesiology handbook to ensure the student is best prepared for the field of interest upon graduation.

Eight open electives at any level, in any faculty

- *NOTE:* Electives can be used to follow two recommended course listings from the Kinesiology handbook, or to minor in another subject area.

ENTRANCE PATHWAY: FITNESS AND HEALTH PROMOTION PATHWAY

Advanced Entry

Applicants who possess an Ontario College Fitness and Health Promotion diploma may be eligible for admission to the university and will be granted a block transfer of credits.

Degree and program requirements are subject to change without notice.

Required courses for the Kinesiology Program (87 credit hours)

| | |
|-----------|---|
| KINE 1020 | Information Literacy and Written Communications |
| KINE 1030 | Quantitative Reasoning |
| KINE 1100 | Human Anatomy & Physiology II |
| KINE 1110 | Intro to Movement Neuroscience |
| KINE 1120 | Human Growth and Motor Development |
| KINE 1130 | Sociocultural Perspectives |
| KINE 2010 | Health and Indigenous People in Canada |
| KINE 2020 | Exercise Biochemistry |
| KINE 2030 | Psychology of Sport and Exercise |
| KINE 2040 | Biomechanics |
| KINE 2100 | Intro to Injury Management |
| KINE 2110 | Motor Control and Learning |
| KINE 2120 | Ethical Behaviour |
| KINE 2130 | Exercise Physiology |
| KINE 2140 | Research Methods |
| KINE 3010 | Critical Appraisal of Statistics |
| KINE 4100 | Kinesiology Capstone |

Any one Biology (BIOL 1010), or (BIOL 1011), or (BIOL 1841), or Chemistry (CHEM 1010) (CHEM 1020), or Social Sciences (SSCI 1300, SOCI 1000, COMM 1100) courses.

- *NOTE:* For students interested in biophysical aspects of Kinesiology, we recommend taking Biology or Chemistry course. For students interested in psychosocial aspects of Kinesiology, we recommend taking a course from the Faculty of Social Sciences and Humanities.

A minimum of 8 KINE courses at the 3000 or 4000 level (electives)

- *NOTE:* Upper year Kinesiology courses should be chosen based on recommended course listings in the Kinesiology handbook to ensure the student is best prepared for the field of interest upon graduation.

Three open electives at any level, in any faculty

- *NOTE:* Electives can be used to follow two recommended course listings from the Kinesiology handbook or to minor in another subject area.

ENTRANCE PATHWAY: **OCCUPATIONAL THERAPY ASSISTANT (OTA) / PHYSICAL THERAPY ASSISTANT (PTA)**

Advanced Entry

Applicants who meet the full requirements of an Ontario College Occupational Therapy Assistant (OTA) or Physiotherapy Assistant (PTA) diploma may be eligible for admission to the university and granted a block transfer of credits.

Degree and program requirements are subject to change without notice.

Required courses for students in the Kinesiology program (90 credit hours)

| | |
|-----------|---|
| KINE 1020 | Information Literacy and Written Communications |
| KINE 1030 | Quantitative Reasoning |
| KINE 1110 | Intro to Movement Neuroscience |
| KINE 2010 | Health and Indigenous People in Canada |
| KINE 2020 | Exercise Biochemistry |
| KINE 2030 | Psychology of Sport and Exercise |
| KINE 2040 | Biomechanics |
| KINE 2100 | Intro to Injury Management |
| KINE 2110 | Motor Control and Learning |
| KINE 2120 | Ethical Behaviour |
| KINE 2130 | Exercise Physiology |
| KINE 2140 | Research Methods |
| KINE 3000 | Fitness Assessment & Exercise Prescription |
| KINE 3010 | Critical Appraisal of Statistics |
| KINE 3100 | Nutrition and Health |
| KINE 4100 | Kinesiology Capstone |

Any one Biology (BIOL 1010), or (BIOL 1011), or (BIOL 1841), or Chemistry (CHEM 1010) (CHEM 1020), or Social Sciences (SSCI 1300, SOCI 1000, COMM 1100) courses.

- *NOTE:* For students interested in biophysical aspects of Kinesiology, we recommend taking Biology or Chemistry course. For students interested in psychosocial aspects of Kinesiology, we recommend taking a course from the Faculty of Social Sciences and Humanities.

A minimum of 8 KINE courses at the 3000 or 4000 level (electives)

- *NOTE:* Upper level Kinesiology courses should be chosen based on recommended course listings in the Kinesiology handbook to ensure the student is best prepared for the field of interest upon graduation.

Five open electives at any level, in any faculty

- *NOTE:* Electives can be used to follow two recommended course listings from the Kinesiology handbook or to minor in another subject area.

BRIDGING PATHWAY: CANADIAN MEMORIAL CHIROPRACTIC COLLEGE (CMCC)

Ontario Tech students in the Bachelor of Health Sciences Kinesiology (Honours) program have the opportunity to apply to CMCC. Successful candidates will complete their fourth year at CMCC and their BHSc will be awarded to them upon the successful completion of their CD degree.

| Required courses needed for CMCC pathway | |
|--|---|
| KINE 1000 | Foundations in Kinesiology |
| KINE 1010 | Human Anatomy & Physiology I |
| KINE 1020 | Information Literacy & Written Communication |
| KINE 1030 | Quantitative Reasoning |
| KINE 1100 | Human Anatomy & Physiology II |
| KINE 1110 | Intro to Movement Neuroscience |
| KINE 1120 | Human Growth & Motor Development |
| KINE 1130 | Sociocultural Perspectives |
| KINE 2000 | Anatomy of Human Movement |
| KINE 2010 | Health and Indigenous People in Canada |
| KINE 2020 | Exercise Biochemistry |
| KINE 2030 | Psychology of Sport and Exercise |
| KINE 2040 | Biomechanics |
| KINE 2100 | Intro to Injury Management |
| KINE 2110 | Motor Control & Learning |
| KINE 2120 | Ethical Behaviour |
| KINE 2130 | Exercise Physiology |
| KINE 2140 | Research Methods |
| KINE 3000 | Fitness Assessment & Exercise Prescription |
| KINE 3010 | Critical Appraisal of Statistics |
| KINE 4100 | Kinesiology Capstone* |
| KINE 4473 | Practical Human Anatomy I: Back & Lower Limbs* |
| KINE 4474 | Practical Human Anatomy II: Head, Neck and Lower Limbs* |

(* These 3 courses should be taken in Year 3 of the program)

Any two Biology (BIOL 1010 or BIOL 1020), or (BIOL 1011), or (BIOL 1841), or Chemistry (CHEM 1010) (CHEM 1020), or Psychology (PSYC 1000), or Social Sciences (SSCI 1300, SOCI 1000, COMM 1100) courses.

- *NOTE:* For students interested in biophysical aspects of Kinesiology, we recommend taking either one or two Biology courses as well as one or two Chemistry courses (additional courses will go towards the elective requirement).
- For students interested in psychosocial aspects of Kinesiology, we recommend taking Psychology and Sociology courses.
- *for special circumstances please see your advisor

A minimum of six additional KINE courses at the 3000 or 4000 level

- *NOTE:* Upper level Kinesiology courses should be chosen based on recommended course listings in the Kinesiology handbook to ensure the student is best prepared for the field of interest upon graduation.

REQUIRED COURSE DEGREE TRACKING

| Course | General | FHP | OTA/PTA | Notes |
|---------------------------------------|---------------|---------------|---------------|-------|
| KINE 1000 | | | | |
| KINE 1010 | | | | |
| KINE 1020 | | | | |
| KINE 1030 | | | | |
| KINE 1100 | | | | |
| KINE 1110 | | | | |
| KINE 1120 | | | | |
| KINE 1130 | | | | |
| KINE 2000 | | | | |
| KINE 2010 | | | | |
| KINE 2020 | | | | |
| KINE 2030 | | | | |
| KINE 2040 | | | | |
| KINE 2100 | | | | |
| KINE 2110 | | | | |
| KINE 2120 | | | | |
| KINE 2130 | | | | |
| KINE 2140 | | | | |
| KINE 3000 | | | | |
| KINE 3010 | | | | |
| KINE 3100 | | | | |
| KINE 4100 | | | | |
| | Pick 2 | Pick 1 | Pick 1 | |
| BIOL 1010/ BIOL 1011/ BIOL 1841 | | | | |
| BIOL 1020 | | | | |
| CHEM 1010 | | | | |
| CHEM 1020 | | | | |
| PSYC 1000 | | | | |
| SSCI 1300 | | | | |
| SOCI 1000 | | | | |
| COMM 1100 | | | | |

**It is the responsibility of all students to familiarize themselves with the specific requirements for the degrees that they seek. While advising and counselling are readily available, it is the student's responsibility to ensure that the courses in which they register fulfills the degree and program requirements*

CMCC PATHWAY COURSE TRACKING

| Course | CMCC | Notes |
|---------------------------------------|-----------------|-------|
| KINE 1000 | | |
| KINE 1010 | | |
| KINE 1020 | | |
| KINE 1030 | | |
| KINE 1100 | | |
| KINE 1110 | | |
| KINE 1120 | | |
| KINE 1130 | | |
| KINE 2000 | | |
| KINE 2010 | | |
| KINE 2020 | | |
| KINE 2030 | | |
| KINE 2040 | | |
| KINE 2100 | | |
| KINE 2110 | | |
| KINE 2120 | | |
| KINE 2130 | | |
| KINE 2140 | | |
| KINE 3000 | | |
| KINE 3010 | | |
| KINE 4100 | | |
| KINE 4473 | | |
| KINE 4474 | | |
| | <i>Pick Two</i> | |
| BIOL 1010/ BIOL 1011/ BIOL 1841 | | |
| BIOL 1020 | | |
| CHEM 1010 | | |
| CHEM 1020 | | |
| PSYC 1000 | | |
| SSCI 1300 | | |
| SOCI 1000 | | |
| COMM 1100 | | |

**It is the responsibility of all students to familiarize themselves with the specific requirements for the degrees that they seek. While advising and counselling are readily available, it is the student's responsibility to ensure that the courses in which they register fulfill the degree and program requirements*

CORE INTRODUCTORY CLASSES

BIOLOGY

Students have the opportunity to take 1 of 3 introductory biology courses; BIOL 1010, BIOL 1011, or BIOL 1841.

BIOL 1010 examines the evolutionary basis of life at the cellular level. Topics will include the basic structure and function of cells, cell energetics and respiration, photosynthesis, the structure and function of DNA, the control of gene expression, cell division and the evolution of multicellularity.

*Students who wish to take two BIOLOGY credits, or would like to take higher level Biology electives, will want to take BIOL 1010 and BIOL 1020. This course offers a biweekly lab section and is ideal for those who are interested in post-graduate degree programs which require a biology credit (e.g. Medicine).

BIOL 1011 is appropriate for non-biology or non-chemistry related majors it is the same course as BIOL 1010 without the lab.

BIOL 1841 examines the evolutionary basis of life and the structure and function of living organisms. The major tissues, organs, and organ systems and their development from simple structures to more complicated systems will be examined.

CHEMISTRY

Students interested in post-graduate degree programs requiring chemistry credits (e.g. Medicine) may want to consider taking CHEM 1010 and CHEM 1020. CHEM 1010 covers concepts of chemistry including simple reactions and stoichiometry; acids, bases, salts; titration; gases; atomic and molecular structure and chemical bonding; introduction to nuclear chemistry and the law of radioactive decay. These courses offer a lab component and are pre-requisites for higher level chemistry classes.

PSYCHOLOGY

PSYC 1000 introduces students to the study of human thought and behaviour. Through a survey of major theories, principles, and research findings across a variety of fields within psychology, students will gain a better understanding of why people think and behave as they do. Typical topics include: the history of psychology, research methods, sensation and perception, learning, memory, emotion and motivation, consciousness, stress and health, social influences, developmental factors, psychological disorders and treatment.

SOCIOLOGY

Sociology is the study of people and how they interact with each other and various social groups. In this introductory course (SOCL 1000), the study of people's lives, their relationship to society as a whole, and how people are affected by the society in which they live. The concepts, theories and methods of the discipline will be introduced and discussed with particular emphasis on the dynamics of Canadian society and Canadian social problems.

SOCIAL SCIENCES

SSCI 1300 introduces students to the analysis of social and political problems using different theories, concepts and methods. These theories and the way in which people approach political and social problems are often based upon a particular view of the concept of justice and equality. We examine different social and political issues and show how they interact with both theory and practice in dealing with these conceptions of justice and equality. The course looks critically at gender, race, class and age among other barriers to achievement.

COMMUNICATIONS

This is an introductory communications course (COMM 1100) introduces students to communication studies with an overview of key topics in the field as defined by the various courses included in this degree. It will examine how knowledge of communication theory, communication processes, and communication skills can be applied to successful communication practices.

KINESIOLOGY ELECTIVES

Electives are university courses that students take in addition to the required courses they need for their specific program. When choosing electives, it is important to choose a course that is of interest to the student and that could either complement their program requirements or open options for the future. Additionally, students are responsible for keeping track of their elective courses at each specific level outlined in each of the portfolio requirements. It is important to research what specific courses are needed for certifications and post graduate programs you may be interested in.

<https://ontariotechu.ca/current-students/academics/academic-calendars/>

****It is the responsibility of the student to reference the course catalog and insure that they have the prerequisites for desired electives.***

| Course |
|---|
| KINE 3200 – Integrated Topics in Active Aging |
| KINE 3476 – Advanced Sport Injury Management |
| KINE 3481 – Physical Pedagogy for Children and Youth |
| KINE 3482 – Physical Activity & Indigenous Peoples in Canada |
| KINE 4401 – Motor Behaviour and Developmental Disabilities |
| KINE 4404 – Injury Prevention for Sport and Physical Activity |
| KINE 4405 – Policy Development for Sport and Physical Activity |
| KINE 4410 – Practical Skills for Kinesiology Professionals |
| KINE 4412 – Exercise Rehabilitation I: Cardiac, Respiratory, and Metabolic Conditions |
| KINE 4413 – Exercise Rehabilitation II: Integrated Case Studies |
| KINE 4414 – Advanced Topics in Neuromuscular Physiology and Pathophysiology |
| KINE 4460 – Selected Topics in Physical Activity and Health |
| KINE 4461 – Applied Topics in Sport and Exercise Psychology |
| KINE 4473 – Practical Human Anatomy I: Back and Lower Limbs (Offsite course) |
| KINE 4474 – Practical Human Anatomy II: Head, Neck and Upper Limbs (Offsite course) |
| KINE 4475 – Occupational Ergonomics |
| KINE 4476 – Clinical Biomechanics |
| KINE 4477 – Applied Techniques in Neuromechanics |
| KINE 4478 – Advanced Ergonomics & Human Factors |
| KINE 4670 – Studies in Work Disability Prevention |
| KINE 4672 – Making A Work Disability Diagnosis |
| KINE 4823 – Small Business Practice and Entrepreneurship for Health Professionals |
| KINE 4482 – Advanced Exercise Assessment & Prescription |
| KINE 4483 – Advanced Exercise Physiology |
| KINE 4490 – Kinesiology Internship I |
| KINE 4491 – Kinternship II |
| KINE 4492 – Athletic Therapy Internship I |
| KINE 4493 – Athletic Therapy Internship II |
| KINE 4494 – Extended Athletic Therapy Internship I |
| KINE 4495 – Extended Athletic Therapy Internship II |
| KINE 4998 – Research Practicum I |
| KINE 4999 – Research Practicum II |

***** This is a list of Kinesiology designated electives and is not an exhaustive list of electives available to kinesiology students from other program designations***

COMMON ELECTIVES FOR KINESIOLOGY STUDENTS

Students are also invited to take electives outside of the kinesiology discipline if they fulfill the prerequisites for their desired courses. Common electives include but are not limited to the following courses.

| HEALTH SCIENCES ELECTIVES | |
|---|---|
| COURSE | PREREQUISITES |
| HLSC 2130U – Public Health Microbiology | HLSC 1201U - Human anatomy and physiology II |
| HLSC 2802U – Introduction to the Canadian Healthcare System | HLSC 1701U- Information literacy and written communication for the health sciences |
| HLSC 3000U – Disability, Rehabilitation and Society | NONE |
| HLSC 3421U – Issues in Women’s Health | 54 credit hours |
| HLSC 3473U – Prevention and Rehabilitation of Complex Chronic Conditions | HLSC 1811U- Social determinants of health; HLSC 2030U – Interpersonal and interprofessional communication; PSYCH 1000U – introductory to psychology |
| HLSC 3805U – Introduction to Epidemiology | HLSC 3800U – Introduction to Statistics for Health sciences |
| HLSC 3820U – Public Health I | HLSC 1811U- Social Determinants of Health |
| HLSC 3821U – Public Health II | HLSC 3820U – Public Health 1 |
| HLSC 3824U – Plagues, Pandemics, and People | 24 credit hours |
| HLSC 4621U – Program Planning, Implementation and Evaluation in Public Health | HLSC 3821U – Public health 2 |
| HLSC 4803U – Global Health | 60 credit hours |
| HLSC 4804U – Global Dimensions of Communicable Diseases | 60 credit hours and HLSC 2130U – Public Health Microbiology or HLSC 3805 – introduction to epidemiology or BIOL 2830U – Microbiology for Health Science |
| HLSC 4805U – Non-communicable Diseases: Current Issues and Emerging Trends | HLSC 3820U- Public Health 1 or NURS 3700U – Health and Healing |
| HLSC 4807U – Perspectives in Aging | 60 credit hours |
| HLSC 4808U – Exploring Mental Health and Developmental Disabilities | 84 credit hours |
| HLSC 4809U – Environmental and Occupational Health | HLSC 3820U- Public Health 1 or NURS 3700U – Health and Healing |
| HLSC 4810U – Human Sexuality and Health | None |

| | |
|---|--|
| Across the Lifespan | |
| HLSC 4822U – Social Marketing for Public Health | 60 credit hours |
| HLSC 4825U – Population Health Risk and Needs Assessment | HLSC 3820U- Public Health and HLSC 3910U- Research Methods for Health Care Professionals: Theory and Application |
| HLSC 4851U – Critical Perspectives on Health, Illness, and Healthcare | HLSC 3820U- Public Health 1 or NURS 3700U – Health and Healing |

**It is the student's responsibility to determine the prerequisites and restrictions of the courses.*

RECOMMENDED COURSES FOR AREAS OF INTEREST

The Kinesiology program is intended to allow students the opportunity to pursue a breadth of knowledge and specialize within a chosen discipline of interest. Specific upper year Kinesiology electives are designed to allow students the ability to explore a variety of themes. Students have the availability to make their upper year electives as specialized or broad as they would like. It is highly recommended that students consider what courses are required when applying to different post graduate programs, certifications and governing bodies ensuring they have the proper prerequisites upon graduation.

The following are recommended courses that can be taken together if you are interested in certain populations or fields of study. See page 23 for relevant links to the websites for Ontario based graduate rehab programs in Physiotherapy, Occupational Therapy, and Chiropractic. Page 23 also provides links to websites for some certifications and professional designations that may be of interest. As well, see page 22 for examples of other post graduate programs or institutions that may be of interest in helping you find your future career. These lists are not exhaustive and may change without notice. It is your responsibility to confirm the requirements needed for your future areas of study.

ERGONOMICS & BIOMECHANICS

These courses focus on the interaction between the human body and the physical world. Emphasis is placed on understanding how we can optimize human performance, reduce musculoskeletal injuries in the workplace and promote healthy return to work and sport. By taking these courses students will be in a position to apply for their Associate Ergonomist (AE) designation, and can eventually apply to be a Canadian Certified Professional Ergonomist (CCPE) with additional work experience in the field.

Career Opportunities in this field:

- Ergonomist
- Human Factors Specialist
- Research & Development
- Forensic Biomechanist
- Return to Work Specialist
- Sports Biomechanist

Recommended Courses:

- KINE 4410U – Practical Skills for Kinesiology Professionals
- KINE 4475U – Occupational Ergonomics
- KINE 4476U – Clinical Biomechanics
- KINE 4477U – Applied Techniques in Neuromechanics
- KINE 4478U – Advanced Ergonomics & Human Factors

EXERCISE PHYSIOLOGY

Students interested in working in clinical, community, or laboratory settings in which physiological assessments and exercise prescription are conducted, are recommended to take these courses. These courses teach the fundamentals of exercise physiology and prepare students to work with people with chronic conditions as well as recreational and high-performance athletes.

Career Opportunities in this field:

- Registered Kinesiologist
- Exercise Physiologist
- Corporate Fitness/Workplace Wellness
- Personal Trainer
- Strength and Conditioning Coach

Recommended Courses:

- KINE 3476U – Advanced Sport Injury Management
- KINE 4401U – Motor Behaviour & Developmental Disabilities
- KINE 4412U – Exercise Rehab I: Cardiac, Resp. & Metabolic Conditions
- KINE 4413U – Exercise Rehab II: Integrated Case Studies
- KINE 4461U – Applied Topics in Sports & Exercise Physiology
- KINE 4482U – Advanced Exercise Assessment & Prescription

- KINE 4483U – Advanced Exercise Physiology
- HLSC 4807U – Perspectives in Aging

NEUROSCIENCE/NEUROPHYSIOLOGY/NEUROMECHANICS

These courses focus on the physiology and mechanics of the Nervous System. Students will learn about neural pathways, motor development, and motor control.

Career Opportunities in this field:

- Research & Development
- Consultant
- EEG Technician
- Sleep Technologist

Recommended Courses:

- KINE 4414U – Advanced Topics in Neuromuscular Physiology and Pathophysiology
- KINE 4476U – Clinical Biomechanics
- KINE 4477U – Advanced Techniques in Neuromechanics

PEDAGOGY / COACHING / TEACHING

Students interested in teaching and coaching may find these courses interesting.

Career Opportunities in this field:

- Coach
- Physical Education Teacher
- Recreation or Sport Director
- Team Trainer
- Skill Acquisition Specialist

Recommended Courses:

- KINE 3482U – Physical Activity and Indigenous Peoples in Canada
- KINE 4401U – Motor Behaviour & Developmental Disabilities
- KINE 4405U - Policy Development for Sport and Physical Activity
- KINE 4460U – Selected Topics in Physical Activity and Health
- KINE 4461U – Applied Topics in Sports & Exercise Physiology

SPORT AND TRAINING

These courses are recommended for students who are interested in sport related training regimens. These courses introduce concepts that will prepare students for the CSEP-CPT certification.

Career Opportunities in this field:

- Certified Personal Trainer
- Sports & Conditioning Coach
- Exercise/Sport Physiologist

Recommended Courses:

- KINE 3476U – Advanced Sport Injury Management
- KINE 4410U – Practical Skills for Kinesiology Professionals
- KINE 4461U – Applied Topics in Sports & Exercise Physiology
- KINE 4482U – Advanced Exercise Assessment and Prescription
- KINE 4483U – Advanced Exercise Physiology

REHABILITATION

These courses are designed to cover multidisciplinary rehabilitation concepts.

Career Opportunities in this field:

- Chiropractor
- Physiotherapist
- Occupational therapist
- Athletic Therapist
- Kinesiologist

Recommended Courses:

- KINE 4401U – Motor Behaviour & Developmental Disabilities
- KINE 4404U – Injury Prevention for Sport and Physical Activity
- KINE 4410 U– Practical Skills for Kinesiology Professionals
- KINE 4412U – Exercise Rehabilitation I: Cardiac, Respiratory, and Metabolic Conditions
- KINE 4413U – Exercise Rehabilitation II: Integrated Case Studies
- KINE 4414U – Advanced Topics in Neuromuscular Physiology and Pathophysiology
- KINE 4475U – Occupational Ergonomics
- KINE 4476U – Clinical Biomechanics
- KINE 4478U – Advanced Ergonomics & Human Factors
- KINE 4482U – Advanced Exercise Assessment & Prescription

PUBLIC HEALTH

Intended for students who are interested in pursuing postgraduate studies in public health as well as those interested in a career in health policy specifically focusing on exercise for health.

Career Opportunities in this field:

- Health Policy Planner

Recommended Courses:

- HLSC 3805U – Introduction to Epidemiology
- HLSC 3820U – Public Health I
- HLSC 3821U – Public Health II
- HLSC 4807U – Perspectives in Aging
- KINE 4823U – Small Business Practice and Entrepreneurship for Health Professionals
- KINE 3200U - Integrated Topics in Active Aging

PSYCHOSOCIAL

Intended for students who are interested in pursuing postgraduate studies in psycho-social studies of sport, exercise and health, as well as community health as well as those interested in a career in sport and health policy, promotion, specifically focusing on exercise for health.

Career Opportunities in this field:

- Performance Analyst
- Behaviour change specialist
- Mental Skills Coach

Recommended Courses:

- KINE 3200U - Integrated Topics in Active Aging
- KINE 4405U – Policy Development for Sport and Physical Activity
- KINE 4460U – Selected Topics in Physical Activity and Health
- KINE 4461U – Applied Topics in Sports & Exercise Physiology
- HLSC 4807U – Perspectives in Aging
- HLSC 4808U – Exploring Mental Health and Developmental Disabilities
- KINE 4823U– Small Business Practice and Entrepreneurship for Health Professionals

ADAPTED PHYSICAL ACTIVITY

These courses are intended for students interested in working with people with different levels of ability.

Career Opportunities in this field:

- Rehabilitation Exercise Therapist
- Kinesiologist
- Physiotherapy
- Physical Education Teacher
- Occupational Therapy
- Coach
- Recreation Therapy

Recommended Courses:

- HLSC 4807U – Perspectives in Aging
- HLSC 4808U – Exploring Mental Health and Developmental Disabilities
- KINE 3200U - Integrated Topics in Active Aging
- KINE 3481U – Physical Activity Pedagogy for Children and Youth
- KINE 3482U – Physical Activity and Indigenous Peoples in Canada
- KINE 4401U – Motor Behaviour and Developmental Disabilities
- KINE 4460U – Selected Topics in Physical Activity and Health
- KINE 4461U – Applied Topics in Sports & Exercise Physiology

- **It is the student's responsibility to determine the prerequisites and restrictions of the courses.*

- ***If students hope to pursue post-graduate degrees (e.g. physiotherapy, occupational therapy, chiropractic college, etc), they must consult the school offering the program to determine what undergraduate prerequisites are required. The clusters presented here are just guides based on interest groupings.*

PSYCHOLOGY MINOR*

Psychology (BA) Minor

General Requirements

- Consists of six courses (18 credit hours).
- A cumulative GPA of at least 2.0 in the minor courses is required to successfully complete the Psychology minor.
- PSYC 1000U – Introductory Psychology
- **PSYC 2010U – Developmental Psychology**
- **PSYC 2020U – Social Psychology**
- **PSYC 2030U – Abnormal Psychology**
- **PSYC 2050U – Brain and Behaviour**
- **PSYC 2060U – Cognitive Psychology**
- PSYCH 2900U- Research Methods
- PSYCH 3035U- Adolescence
- PSYC 3045U- Child maltreatment
- PSYC 3060U- Personality Psychology
- PSYC 3065U- Emotion
- PSYC 3075U – Biopsychology of Sex Psychology
- PSYC 3085- Drugs and Behavior
- PSYC 3090U- Social Affective Neuroscience
- PSYC 3330U- Developmental Psychopathology Psychology
- PSYC 3500U- Stereotypes and Prejudice

****Minor must have 2 of the bolded courses with any 4 additional 3000 or 4000 level**;**
Note: PSYC 1000U- Introductory to Psychology is a prerequisite for all 2000U level and most 3000 and 4000 level courses*

Forensic Psychology Minor

General Requirements

- consists of six courses (18 credit hours).
- cumulative GPA of at least 2.0 in the minor courses is required to successfully complete the Forensic Psychology minor.
- PSYC 1000U – Introductory Psychology
- PSYC 2010U – Developmental Psychology
- PSYC 2020U – Social Psychology
- PSYC 2030U – Abnormal Psychology
- PSYC 2050U – Brain and Behaviour
- PSYC 2060U – Cognitive Psychology
- PSYC 3060U- Personality Psychology
- FPSY 3210 – Forensic Psychology
- FPSY 3400U- Integrative Psychology
- FPSY 3055U- Treatment in Forensic Setting

- FPSY 3110U- Directed Laboratory Research in Forensic Psychology
- FPSY 3310- Confessions and Interrogations
- FPSY 3320U – Eyewitness Psychology
- FPSY 3400U – Integrative Psychology
- PSYC 3500U- Stereotypes and Prejudice
- FPSY 3900U- Special topics in Forensic psychology 1
- FPSY 3039U- Children, Psychology, and the Law

FPSY 3210- Forensic Psychology is a required course

** 2 of the courses highlighted in yellow must be taken and 3 of the courses highlighted in green must be taken**

* PSYC 1000U- Introductory to Psychology is a prerequisite for all 2000U level and most 3000 and 4000 level courses*

Note: It is the student's responsibility to determine requirements of completing a minor by consulting the [Ontario Tech University Academic Calendar](#) or consulting with the Faculty offering the minor.

Business Minor (Networking and IT Security)*

General Requirements

- Students must have a minimum 2.3 GPA (C+ average on a 4.3 scale) to be considered
- Minimum of 24 credit hours in business courses (8 courses if each is 3 credits)

Business Core Electives and Prerequisites

| Course | Prerequisites |
|---|---|
| BUSI 1030U – Writing and critical thinking | NONE |
| BUSI 1600U – Management of the Enterprise | NONE |
| BUSI 2000U- Collaborative Leadership | NONE |
| BUSI 2050U- Managerial Economics | NONE |
| BUSI 2200U – Marketing Management | BUSI 1020U – Business communications OR BUSI 1700U – Introduction to Entrepreneurship OR BUSI 1030U – Writing and Critical Thinking OR HLSC 1701U - Information Literacy and Written Communication for the Health Sciences |
| BUSI 2410U- Managerial Finance | BUSI 1130U- Introduction to Financial Accounting or BUSI 2050U - Managerial Economics |
| BUSI 2550U- Introduction to Project Management | Year 2, 3, 4, or 5 standing |
| BUSI 2603U- Introduction to Operations Management | BUSI 1450U- Statistics for Business or MATH 1000U- Introductory Calculus or MATH 1010U- Calculus 1 or HLSC 3800U- |

| | |
|--|--|
| | Introduction to statistics for health sciences |
| BUSI 3700U- Strategic Management for Professionals | NONE |

Note: It is the student's responsibility to determine requirements of completing a minor by consulting the [Ontario Tech University Academic Calendar](#) or consulting with the Faculty offering the minor.

EXPERIENTIAL LEARNING

Ontario Tech Kinesiology prides itself on offering experiential learning opportunities. Experiential learning is offered through laboratories and tutorials. Formalized placement opportunities extend experiential learning. However, entry to each of the three courses described below is competitive, and students may not be accepted into a course, or may not get their first-choice placement. Entrance into these courses are based on many factors, including GPA, and are determined on a case by case basis. Every effort is made to provide as many opportunities as possible, but it is not possible to guarantee accommodation for everyone.

RESEARCH PRACTICUM

The research practicum is designed to give students in their final year a unique opportunity to work on a research project. Research projects are supervised by Faculty members, adjunct professors, or researchers at partner institutions. Practicum opportunities are posted in the winter semester prior for students to review and apply (students usually apply in the winter semester of their 3rd year). Practicum supervisors conduct interviews and make their selections based on a variety of factors, including GPA and subject matter interest. The number of students accepted

varies based on the projects ongoing or in inception for any given year. Successful applicants are registered in KINE 4998/ KINE 4999 which is a two-term course. Each project is different and will have different requirements (e.g. a vulnerable sector police check), it is the student's responsibility to ensure they have the pre-requisites outlined in the project description. In some cases, research supervisors may require students to start work in the summer; this will be made clear prior to approval into the course.

Further information can be found online:

<https://healthsciences.uoit.ca/undergraduate/research%20practicum/index.php>

KINESIOLOGY INTERNSHIPS: KINTERNSHIP OPPORTUNITIES

The KINternship is a single semester competitive elective course offered to students in their final year. This course offering provides students with practical, hands-on experience to use their knowledge of the field, but also to provide exposure to what career opportunities exist within the field of Kinesiology. Examples of internships might be in hospitals, rehabilitation centres, coaching positions, community recreation and sport organizations, or with sports teams as a strength and conditioning coach. Students will complete a minimum 100 hours in their placement position and be required to write a comprehensive report on the kinesiology knowledge that they utilized from their undergraduate courses in contributing to the internship placement, as well as how the placement helped them to integrate that knowledge for their own learning. Acceptance into this program is competitive and will rely on several factors, including grades.

ATHLETIC THERAPY INTERNSHIP

Students who pursue athletic therapy internships will have the opportunity to work alongside a varsity team gaining sport-specific knowledge regarding injury prevention and rehabilitation. Students will be provided with advanced first aid and athletic therapy training before being placed with a varsity team as a student therapist. This is a double semester placement meaning that students will need to enroll in both KINE 4492 and KINE 4493 in the fall and winter semesters respectively. A minimum of 135 placement hours will need to be completed in order to be successful in the course. It is important to note that athletic therapy internships require a significant time commitment. The internship schedule is determined in advance and any required absences from other courses will need to be communicated to respective course instructors. Placements are competitive and will be determined based on grade merit as well as other factors.

LABORATORY EXPECTATIONS/CODE OF CONDUCT

Apparel Expectations

Students are expected to come to the lab prepared to exercise. This includes appropriate attire specific to that particular lab. There are lockers provided for jackets, bags, boots/shoes etc.

Indoor athletic shoes must be worn at all times and students will not be permitted entry into the lab space from the vestibule area with outdoor shoes. This is not only in place to prevent injury if improper footwear is worn during agility/running exercise, but also to aid in the continued cleanliness of the lab and lab equipment. Exterior dirt, snow, and salt can result in damage to the lab equipment as well as create unsafe slip hazards on the floors.

Preparation for Lab Procedures

Students are expected to come to lab having reviewed all pre-lab materials and looked over the lab. The labs do not account for preparation time; lack of preparation can result in disruption to experiments resulting in limited time to complete the lab tasks. Students are expected to participate in all aspects of the lab unless otherwise discussed with the TA/Lab Staff/Professor. Please see the section on Accessibility for specific accommodations. If students are obviously unprepared and slowing group members or cannot answer basic questions on required lab procedures the lab staff or presiding TA reserves the right to remove the student from participation and have them read the lab before rejoining their group or data collection. This is in place to ensure safety standards are being met, and to keep the labs moving within the pre-allocated.

EMERGENCY PROCEDURES

Emergency procedure plans are posted near the entrance and exit doors of each room in the Kinesiology teaching labs. In the event of an emergency in the lab notify your TA and/or Lab Staff immediately.

All medical or police emergencies reports should be directed through security at ext. 2400 on any campus phone or directly through (905) 721-8668 ext. 2400. Campus security will contact 911 and organize entrance/egress for all emergency responder vehicles to your location.

For a detailed breakdown of emergency procedures such as lockdown, and fire procedures, please read through the Ontario Tech Emergency preparedness Plan (<https://ontariotechu.ca/campus-services/safety-security/policies-and-procedures/index.php>).

EMERGENCY CONTACTS

During an emergency, if possible the following parties should be notified in addition to Campus Security (ext. 2400):

- The supervising TA for that lab section
- The Kinesiology Lab Staff – They should be available in their office (J117) or in the Kin Labs or Prep room. If unavailable at those locations' TAs will have their cell phone numbers for emergency contact.
 - Kinesiology Lab Technician: Ryan Foley - (905) 721-8668 ext. 3567
 - Kinesiology Lab Specialist: Ian Barker - (905) 721-8668 ext. 5352

CODE OF CONDUCT

Lab Reports and Academic Misconduct

While there may be times where a group lab is submitted, most labs are expected to be written up independently, regardless of if the data was collected as a group. Please refer to the Code of Conduct for specific information regarding academic integrity in Section 4.

Commitment to Obtaining Data

Labs are intended to provide experiential learning opportunities. Each course has learning outcomes outlined in the syllabus and lab-based courses have learning outcomes which require hands-on experience. These are in place to teach the psychomotor component and to reinforce the theory component.

We understand that sometimes errors occur which make it impossible to recollect data in a reasonable timeframe. If such a situation arises, the TA or lab staff will either instruct on how to proceed or provide new data from a different session.

Unsafe Behaviour

Students engaging in behaviour that is deemed to be unsafe will be removed from the labs. Consequences for these circumstances will be determined on a case by case basis and will be proportional to the severity of the situation.

Lab Contacts

Teaching Assistants (TAs)

The first point of contact for lab procedures, or lab report related queries is the TA of the corresponding lab section unless otherwise stated by the course instructor.

Examples of TA handled issues are:

- Lab report content
- Lab report formatting
- Future or past lab procedure
- Marking questions
- Data analysis procedure
- Attendance or missed labs

Kin Lab Staff

Kin Lab staff work with course instructors to optimally integrate lab equipment and procedures into the lab. Lab staff are available to support the TAs as needed. Lab staff can be contacted directly with concerns relating to safety, lab equipment or in some cases practice time or lab absence.

Examples of Lab Staff handled issues are:

- Lab accommodation
- Health and safety concerns
- Errors with software/equipment
- Lab procedures lead to error
- Extremely irregular data

Lab Staff will do their best to reply to pertinent issues beyond the labs as fast as possible but be mindful there is no mandated time period and some issues may take longer to resolve especially if other university faculty and staff have to be consulted.

CAREER AND GRADUATE STUDY OPPORTUNITIES

The career opportunities for Kinesiology graduates are endless. With the flexibility and individualization of the Kinesiology program, students will be well prepared for the multidisciplinary approach used in many workplaces. Job opportunities related to the field of Kinesiology are available in a variety of sectors, organizations, and with a range of clientele.

Graduates will also be well prepared for graduate level studies in Kinesiology, should student wish to pursue research. Students interested in graduate work are encouraged to seek out a supervisor whose research interest aligns with their own. Potential supervisors welcome such inquiries (i.e. email) and may provide volunteer opportunities in their laboratory if interests align.

Health Sciences Graduate Programs at Ontario Tech University:

Master's Program (MHSc)

https://gradstudies.ontariotechu.ca/future_students/programs/masters_programs/index.php

Doctor of Philosophy Program (PhD program)

https://gradstudies.ontariotechu.ca/future_students/programs/doctoral_programs/index.php

Graduates also have the opportunity to be part of professional organizations that concentrate on specific areas and knowledge within the field of Kinesiology – some of these professional organizations require further education and/or passing a competency exam. Best efforts are made to ensure that this information is current and accurate, but students are encouraged to do their own research to ensure they

have the most current information on these professional avenues. Such professional organizations and corresponding careers which include but are not limited to:

- American College of Sports Medicine (ACSM)
 - www.acsm.org/
- American Psychological Association (APA) Division 47 – Society for Sport, Exercise and Performance Psychology
 - <https://www.apa.org/about/division/div47>
- Board Certified Behaviour Analyst (BCBA)
 - <https://www.bacb.com/bcba/>
- Canadian Society for Psychomotor Learning and Sport Psychology (SCAPPS)
 - <https://www.scapps.org/>
- Canadian Sport Psychology Association (CSPA)
 - <https://www.cspa-acps.com/>
- Certified Exercise Physiologist (CSEP-CEP) – The Canadian Society for Exercise Physiology
 - <https://www.csep.ca/view.asp?ccid=535>
- Certified Personal Trainer (CSEP-CPT) – The Canadian Society for Exercise Physiology
 - <https://www.csep.ca/view.asp?ccid=532>
- Certified Strength and Conditioning Coach (CSCS)
 - <https://www.nasca.com/certification/cscs/>
- Ergonomist
 - Canadian College for the Certified Professional Ergonomists (CCCPE)
 - <https://www.cccpe.ca/en>
 - Associate Ergonomist (AE)
 - <https://www.cccpe.ca/en/certification/requirements>
- Public Health – Canadian Public Health Association
 - <https://www.cpha.ca/creating-certified-public-health-professional-designation-canadas-public-health-workforce-0>
- Registered EMG Technologist – Association of Electromyography Technologists of Canada
 - <https://www.aetc.ca/bretc/exam-information>
- Registered Kinesiologists – College of Kinesiologists of Ontario
 - <https://www.coko.ca/>
- Speech and Language Pathology – Speech-Language & Audiology Canada (SAC)
 - <https://www.sac-oac.ca/speech-language-pathology/becoming-speech-language-pathologist>
- Therapeutic Recreation – Canadian Therapeutic Recreation Association
 - <https://canadian-tr.org/>

Some students may wish to pursue a post-graduate degree. The BHSc Kinesiology degree can be a great foundation for any of the following programs. Best efforts are

made to update this information as necessary. The post-graduate degree opportunities available to Kinesiology grads are many, this is not an exhaustive list.

- Prostheses
 - George Brown (post-graduate):
<https://www.georgebrown.ca/programs/clinical-methods-in-orthotics-prosthetics-program-postgraduate-s407/>
 - George Brown Technician Program:
<https://www.georgebrown.ca/programs/orthotic-prosthetic-technician-program-s102/>
 - British Columbia Institute of Technology (BCIT):
<https://www.bcit.ca/programs/prosthetics-and-orthotics-diploma-full->
- Teachers College
 - <https://www.ouac.on.ca/teas/>
- Applied Disabilities Studies (Brock University)
 - <https://brocku.ca/social-sciences/applied-disability-studies/>
- Social Work – Canadian Association of Social Workers
 - <https://www.casw-acts.ca/en/what-social-work/how-do-i-become-social-worker>
- Occupational Therapist – College of Occupational Therapists of Ontario
 - <https://www.coto.org/>
- Physiotherapist – College of Physiotherapists Ontario
 - <https://www.collegept.org/>
- Chiropractor – College of Chiropractors of Ontario
 - <https://www.cco.on.ca/>
- Medical Doctor – Ontario Medical Association
 - <https://www.oma.org>

SECTION 4: UNIVERSITY RESOURCES

PRIVACY AND CONFIDENTIALITY

Personal information is collected under the authority of the OntarioTech University (University Of Ontario Institute Of Technology) Act, and is collected, protected, used, disclosed and retained in compliance with Ontario's Freedom of Information and Protection of Privacy Act. Information will be used for the purposes of administering registration and progression in the Medical Laboratory Science program. Program information on registration and academic achievement may be disclosed to a clinical partner site where necessary for the purposes of administering clinical placements in the Medical Laboratory Science program. Questions regarding the privacy of student personal information may be directed to the Ontario Tech Practicum Coordinator or to the University's Chief Privacy Officer at accessandprivacy@uoit.ca

CAMPUS & STUDENT SUPPORT

There are many supports and resources on campus to assist in ensuring students have their best experience while at University.

Students are encouraged to meet with the Academic Advisor for Kinesiology regularly. Academic advisors can:

- Discuss issues that affect your academic performance.
- Provide guidance with successful progression to graduation.
- Help you:
 - Understand your GPA, university policies and procedures.
 - Select appropriate classes and electives.
 - Withdraw from a program, add or drop courses.

Ontario Tech also has dedicated professionals and student volunteers provide support throughout students' academic journey. Accommodations including but not limited to one-on-one support, alternative format course materials, assistive technology, test centre accommodations, ergonomic equipment, computerized note taking, and American sign language interpreters are available to those who request them. These accommodations are confidential and use of such arrangements will not appear on University transcripts.

Further information regarding student support can be found:

<https://studentlife.uoit.ca/index.php>

Directed and specific information regarding services can be found:

- Academic Support: <https://studentlife.uoit.ca/services/academic-support/index.php>
- Accessibility: <https://studentlife.uoit.ca/services/accessibility/index.php>
- Career Readiness: <https://studentlife.uoit.ca/services/career-readiness/index.php>
- Community: <https://studentlife.uoit.ca/services/community/index.php>
- Equity & Inclusion: <https://studentlife.uoit.ca/services/equity-and-inclusion/index.php>
- Health & Wellness: <https://studentlife.uoit.ca/services/health-and-wellness/index.php>

ACADEMIC INTEGRITY

Faculty members and students share an important responsibility to maintain the integrity of the teaching and learning relationship. This relationship is characterized by honesty, fairness, and mutual respect for the aims and principles of the pursuit of education.

Academic misconduct impedes the activities of the university community and is punishable by appropriate disciplinary action. The University and its members have the responsibility of providing an environment that does not facilitate the inadvertent commission of academic misconduct. Students and faculty should be made aware of the actions that constitute academic misconduct, the procedures for launching and resolving complaints, and the penalties for commission of acts of misconduct.

A lack of familiarity with the University's policy on academic conduct on the part of the student does not constitute a defense against its application.

- **Academic Calendar**

- <http://catalog.uoit.ca/content.php?catoid=22&navoid=879>

It is the student's responsibility to familiarize themselves with the academic calendar of Ontario Tech University. Should students have any questions they should consult with the appropriate contact as outlined in the academic calendar.

- **Academic Misconduct Process**

- <https://academicintegrity.uoit.ca/students/misconduct-process.php>

All students are responsible for understanding and abiding by academic conduct regulations. If students are accused of academic misconduct a specific process will be followed and completed to best understand the offence and determine next steps.

- **Academic Integrity: Student Tip Sheet**

<https://academicintegrity.ontariotechu.ca/>

These printable student guides to academic integrity provide an overview of how to avoid academic misconduct and what to expect if you commit an offence

EMAIL COMMUNICATION WITH PROFESSORS' & STAFF

Email communication should be considered professional communication. It is expected that students will include appropriate greetings and signatures, compose full sentence messages which indicate the purpose of the communication, and demonstrate a respectful, professional tone at all times.

Students should not consider email that they send to faculty members or clinical instructors to be confidential. If, in the potential interest of a student or public safety, correspondence from a student is deemed to be potentially concerning in any way, faculty will be required to share this information with appropriate individuals.

When emailing Teaching Assistants (TA) remember it can take up to 48 business hours for a TA to respond. As such, please allow adequate time when sending lab questions

to TA's so that you can have them answered prior to the due date. Sending an email on the weekend or the night before an assignment due may not leave enough time for a response.