

LABORATORIES AND CENTRES

Beyond the facilities available on campus generally, the School of Kinesiology is home to a number of centres and laboratories that are designed to facilitate the research efforts of graduate students and their advisors. These include:

Canadian Centre for Activity and Aging (CCAA)

The CCAA human exercise physiology laboratories include the cardiovascular and muscle metabolism laboratory (supervised by Drs. Don Paterson, John Kowalchuk,) and the neuromuscular laboratory (of Dr. Charles Rice). Both feature state-of-the-art equipment and techniques including breath-by-breath gas exchange, Doppler ultrasound for blood flow measurement, near-infrared spectroscopy to measure muscle "deoxygenation", surface and in-dwelling electromyography and processes for motor unit identification, and apparatus for assessment of muscle force, power and contractile properties.

International Centre for Olympic Studies

The primary mission of the Centre is the generation and dissemination of academic scholarship focused specifically upon the study of the modern Olympic Games and the Olympic movement. In order to bring this endeavour to fruition, the Centre pursues four initiatives:

- The production of OLYMPIKA: The International Journal of Olympic Studies
- Hosting an International Symposium for Olympic Research in every Olympic year
- Organizing and sponsoring regular guest lectures presented by recognized Olympic scholars and officials
- Maintaining a resource unit in the Arthur and Sonia Labatt Health Sciences Building

R. Samuel McLaughlin Exercise and Pregnancy Laboratory

The laboratory is designed to examine the effects of maternal exercise on carbohydrate metabolism and fetal outcome, the effects of nutritional intake and maternal exercise on gestational diabetes, and the effects of occupation and recreational physical activity on birth weight.

The School of Kinesiology is also home to:

- Barbara Brown Sociocultural Research Centre
- Bernard and Norton Wolf Foundation Biomechanics Lab
- Coca-Cola Exercise Physiology Laboratory
- Dan & Martha Ross Sport Psychology Lab
- Dr. A.W. Taylor Exercise Biochemistry Laboratory
- Dr. J. Stanley Hill Computer Lab
- Exercise Nutrition Laboratory
- Human Motor Performance Laboratory
- Exercise and Health Psychology Laboratory
- London High Performance Rowing Centre
- Motor Learning and Control Research Laboratory
- Neurovascular Research Laboratory
- Sports Management Laboratory

For more information on the Graduate Program in Kinesiology, visit the FHS website at www.uwo.ca/fhs/kin/grad or contact:

The School of Kinesiology – Graduate Program
Room 2230, 3M Centre
The University of Western Ontario
London, Ontario N6A 3K7
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Kinesiology

GRADUATE PROGRAMS



The University of
Western Ontario



SCHOOL OF KINESIOLOGY

Graduate studies in Kinesiology at The University of Western Ontario has a long history in graduate education beginning with a Master's program initiated in 1963.

Over the past 45 years the graduate program in Kinesiology has grown and now offers MSc (thesis), MA (thesis), and MA (non-thesis) degrees at the Master's level, and PhD degrees in three areas: Integrative Physiology, Psychological Bases of Physical Activity and Movement Control, and Cultural Studies of Sport and Exercise.

Western's graduate studies in Kinesiology has demonstrated excellence through the successes of its many graduates, and expert faculty. In addition, the program has been recognized by the Government of Ontario through the Ontario Council of Graduate Studies for the quality of laboratory facilities, space allocated to graduate student offices and faculty expertise.

Our faculty and staff are integral to the success of this renowned program. A critical mass of superb faculty in each area ensures a breadth to your graduate education that is not available in smaller, specialized programs. Our faculty and staff have been recognized for their teaching and research and have garnered an international reputation for excellence in their fields.

Our fields of graduate education span several related disciplines including Exercise Physiology (with several sub-disciplines), Exercise, Sport & Health Psychology, Applied and Clinical Biomechanics, Motor Learning & Control, Sport Management, Leadership & Marketing, Sport History, Sport Philosophy, Coaching, and Sport Medicine. Good supervisors ensure high quality graduates are able to secure post-doctoral fellowships and university teaching/research positions. Annually, our graduates provide testimony to the quality of our programs through the fellowships and university appointments they obtain.

In cooperation with the School of Graduate and Postdoctoral Studies at The University of Western Ontario and the Faculty of Health Sciences, the School of Kinesiology provides competitive funding support to all qualified graduate students.

PROGRAMS OFFERED

MASTER OF SCIENCE (MSc) – THESIS

MASTER OF ARTS (MA) – THESIS

MASTER OF ARTS (MA) – NON-THESIS/MAJOR PAPER

MASTER OF ARTS (COACHING)

MASTER OF SCIENCE (COACHING)

DOCTOR OF PHILOSOPHY (PhD)

PROGRAM INFORMATION

Master's Topics of Study

Students may pursue a MA or a MSc degree in any of the areas in which we have faculty expertise. A detailed description of faculty expertise is available on our website: www.uwo.ca/fhs/kin/research/research_interests.html

PhD Fields of Specialization

Students may pursue a PhD in any one of three fields of study:

- Integrative Physiology of Exercise
- Psychological Basis of Physical Activity and Movement Control
- Cultural Studies of Sport & Exercise

ADMISSION REQUIREMENTS

Master's (MA or MSc) degree in Kinesiology:

- Honors degree or equivalent from a related field
- 78% average for the two most recent years of study
- Meet minimum standards of proficiency in English (TOEFL)
- Minimum of two academic references
- Acceptance by a Master's advisor

PhD in Kinesiology

- Master's degree (MA or MSc) in Kinesiology (or its equivalent) from a recognized university
- Meet minimum standards of proficiency in English (TOEFL)
- Have completed Master's course work requirements with a minimum average of 80%
- Minimum of two academic references
- Acceptance by a Doctoral supervisor

FEES AND FUNDING

For detailed information on fees and funding associated with this program, please visit the School of Graduate and Postdoctoral Studies website at grad.uwo.ca

CAREERS

Depending on the field of study and degree level (Master's or Doctoral) graduates have a variety of career opportunities. Master's degree graduates can continue to the Doctoral level in the same or related area within Kinesiology at Western, or elsewhere. Master's degrees can lead to other professional programs such as medicine and physical therapy, or provide specialization and enhanced opportunities for teachers and coaches, and those in the health and fitness, pharmaceutical, sport, management and marketing, and related governmental fields.

The Doctoral degree often leads to an academic position of teaching and/or research at a university or college, or is useful for specialization in private research fields, publishing, management or governmental institutions related to the graduate's field of specialization.

