MASTER OF SCIENCE HUMAN KINETICS

Summary

- Degree offered: Master of Science (MSc)
- Registration status options: Full-time; Part-time
- Language of instruction:
  - French
  - English
- Program option (expected duration of the program):
  - with thesis (6 full-time terms; 24 consecutive months)
- Academic units: Faculty of Health Sciences (https://health.uottawa.ca/), School of Human Kinetics (http://health.uottawa.ca/human-kinetics/).

Program Description

An integrated approach to the study of sport, physical activity and health allows students and professors to share research interests and professional expertise, and to contribute to the broad field of human kinetics.

The MSc program pursues three major objectives:

- To contribute to the accumulation of facts and scientific data related to sport, physical activity and health, as well as to foster the development of critical thinking skills and problem solving abilities.
- To facilitate the acquisition of quantitative and qualitative knowledge in the field of biophysical sciences of sport, physical activity and health.
- To prepare human kinetics specialists so that they are better able to play a determinant role in Canadian society.

Learn more about this program (https://www.uottawa.ca/faculty-health-sciences/human-kinetics/graduate-studies/master-science-human-kinetics-mschk/)

Main Areas of Research

The focus is on biophysical sciences (e.g., biomechanics, physiology, psychomotor) as they relate to sport, physical activity and health.

Other Programs Offered Within the Same Discipline or in a Related Area

- Master of Arts Human Kinetics (MA)
- Master of Human Kinetics with Concentration Sport Management (MHK)
- Master of Human Kinetics with Concentration Mental Performance Consulting (MHK)
- Master of Arts Human Kinetics with Specialization Feminist and Gender Studies (MA)
- Doctorate in Philosophy Human Kinetics (PhD)
- Doctorate in Philosophy Human Kinetics with Specialization Canadian Studies (PhD)

Fees and Funding

- Program fees:

  The estimated amount for university fees (https://www.uottawa.ca/study/fees-financial-support/university-fees/) associated with this program are available under the section Finance your studies (https://www.uottawa.ca/study/graduate-studies/funding-financing/).

  International students enrolled in a French-language program of study may be eligible for a differential tuition fee exemption (https://www.uottawa.ca/study/fees-financial-support/differential-tuition-fee-exemption-scholarship/).

- To learn about possibilities for financing your graduate studies, consult the Awards and financial support (https://www.uottawa.ca/study/graduate-studies/awards-financial-support/) section.

Notes

- Programs are governed by academic regulations (https://www.uottawa.ca/about-us/leadership-governance/policies-regulations/) in effect for graduate studies.
- In accordance with the University of Ottawa regulation, students have the right to complete their assignments, examinations, research papers, and theses in French or in English.

Program Contact Information

Academic Office, Faculty of Health Sciences (https://health.uottawa.ca/)
125 University Private, Room 232
Ottawa, Ontario, Canada
K1N 6N5

Email: fhs.academic.office@uOttawa.ca

Admission Requirements

For the most accurate and up to date information on application deadlines, language tests and other admission requirements, please visit the specific requirements (https://www.uottawa.ca/graduate-studies/programs-admission/apply/specific-requirements/) webpage.

To be eligible, candidates must:

- Have an honours bachelor's degree (or equivalent) in human kinetics or a related field, with a minimum average of 70% (B).

  Note: International candidates must check the admission equivalencies (https://www.uottawa.ca/study/graduate-studies/international-equivalencies/) for the diploma they received in their country of origin.

- Identify at least one professor who is willing to supervise your research and thesis.
  - We recommend that you contact potential thesis supervisors as soon as possible.
  - To register, you need to have been accepted by a thesis supervisor.
  - The supervisor's name is required at the time of application.

Language Requirements

Applicants must be able to understand, write and fluently speak the language of instruction (French or English) in the program to which they are applying. Proof of linguistic proficiency may be required.

Applicants whose first language is neither French nor English must provide proof of proficiency in the language of instruction.

Note: Candidates are responsible for any fees associated with the language tests.

Notes

- The admission requirements listed above are minimum requirements and do not guarantee admission to the program.
- Admissions are governed by the academic regulations (https://www.uottawa.ca/about-us/leadership-governance/policies-regulations/) in effect for graduate studies.

Program Requirements

Requirements for this program have been modified. Please consult the 2022-2023 calendars (http://catalogue.uottawa.ca/en/archives/) for the previous requirements.

Master's with Thesis

Students must meet the following requirements:

Compulsory Courses:		
APA 6101	Quantitative Data Analysis in Sport, Physical Activity and Health	3 Units
3 course units from:		3 Units
APA 6302	Qualitative Research Methods in Sport, Physical Activity and Health	
APA 6303	Quantitative Research Methods in Sport, Physical Activity and Health	
3 course units from:		3 Units
APA 6102	Selected Topics in Sport, Physical Activity and Health: Physiological Studies	
APA 6103	Selected Topics in Sport, Physical Activity and Health: Biomechanics	
APA 6109	Selected Topics in Sport, Physical Activity and Health: Motor Control and Learning	
Thesis Proposal:		
APA 6997	Master's Thesis Proposal	
Thesis:		
THM 7999	Master's Thesis [1]	

Note(s)

[1] Students are responsible for ensuring they have met all of the thesis requirements (http://www.uottawa.ca/graduate-studies/students/theses/).

Fast-Track from Master's to PhD

Students enrolled in the master's program in human kinetics at the University of Ottawa may be eligible to fast-track directly into the doctoral program without writing a master's thesis. For additional information, please consult the "Admission Requirements" section of the PhD program.

Minimum Requirements

The passing grade in all courses is C+.

Academic Regulation applies for withdrawal from the program of study.

Research

Research Fields & Facilities

Located in the heart of Canada's capital, a few steps away from Parliament Hill, the University of Ottawa is among Canada's top 10 research universities.

uOttawa focuses research strengths and efforts in four Strategic Areas of Research:

- Creating a sustainable environment
- Advancing just societies
- Shaping the digital world
- Enabling lifelong health and wellness

With cutting-edge research, our graduate students, researchers and educators strongly influence national and international priorities.

Research at the Faculty of Health Sciences

Research at the Faculty involves many important aspects of health, including women's health, health in the elderly, health needs of francophones in a minority context, Aboriginal health, physical activity and health, multiple interventions in population health, palliative care, rehabilitation and functional autonomy, health and technology, and evidence based practice.

The Faculty of Health Sciences is involved in the following Research Centres and Institutes:

- LIFE Research Institute
- Music and Health Research Institute
- Centre for Research on Health and Nursing
- Interdisciplinary Centre for Black Health

The Faculty of Health Sciences has strong collaborations with the region's hospital-affiliated research institutes:

- The Ottawa Hospital Research Institute
- The Children's Hospital of Eastern Ontario Research Institute
- The Bruyère Research Institute
- The Royal's Institute of Mental Health Research
- L'Institut du Savoir Montfort
- University of Ottawa Heart Institute

For more information, refer to the list of faculty members and their research fields on **Uniweb**.

IMPORTANT: Candidates and students looking for professors to supervise their thesis or research project can also consult the website of the faculty or department (https://www.uottawa.ca/study/graduate-studies/academic-unit-contact-information/) of their program of choice. Uniweb does not list all professors authorized to supervise research projects at the University of Ottawa.

Courses

APA 5104 Sport and Physical Activity in Canadian Life (3 units)

Sociological analysis of sport and physical activity. Socio-historical determinants of sport and physical activity. Emphasis on the organizational structure of sport and physical activity, ideologies, and current practices. Different themes may also be examined: sociology of sport organizations, social movements, and social problems.
Course Component: Lecture

APA 5105 Organizational Theory in Sport and Physical Activity (3 units)

Interpretation of organizational theory in the context of sport and physical activity environments. Focus on the study of Canadian amateur and professional sport organizations as well as other organizations associated to sport and physical activity in the public and private sectors.
Course Component: Seminar

APA 5107 Counselling Theories and Skills (3 units)

Critical examination and application of counselling theories, approaches, and skills in sport and performance contexts to develop a counselling philosophy and become an effective helper.
Course Component: Seminar

APA 5110 Mental Skills Training Programs and Tools (3 units)

Examination of mental skills, techniques, and tools used to assess and enhance performance and well-being in diverse contexts. Development of competencies to design consulting forms, teach mental skills, conduct workshops, and implement mental skills training programs.
Course Component: Seminar
Prerequisites: APA 5107, APA 5115, APA 6105.

APA 5111 Sport Event Management (3 units)

Theories and principles related to planning, organizing, leading, and evaluating sporting events (e.g., Olympic Games, Jeux de la Francophonie, National Championships). Critical analysis of the academic literature related to sport event management.
Course Component: Seminar

APA 5112 International Sport Management (3 units)

Study of cultural, economic and political roles of sport within the broader context of globalization. Interdisciplinary approach examining the impact of sport on local and global cultures as well as on development.
Course Component: Seminar

APA 5115 Applied Research Methods for Practitioners (3 units)

Examination of applied research methods, assessment, and ethics. Application of the scholar-practitioner model to analyze applied sport and performance psychology studies, develop relevant research design and assessment skills, and integrate scientific evidence into professional practice. Completion of a mixed-methods study focusing on growth and development as a practitioner.
Course Component: Seminar

APA 5303 Marketing and Sponsorship of Sport and Physical Activity (3 units)

Study of the literature and research pertaining to the marketing and sponsorship of sport and physical activity programs and events. Strategic planning, fundraising, and event management for various types of organizations.
Course Component: Seminar

APA 5305 Policy Analysis of Sport and Physical Activity in Canada (3 units)

Critical examination of the role of government in policy development. An analysis of sport and physical activity policies as related to amateur and professional sport organizations in Canada as well other organizations involved in sport and physical activity in the public and private sectors.
Course Component: Lecture

APA 5306 Ethics and Values in Sport, Performance, and Physical Activity Contexts (3 units)

Examination of ethics and standards related to decision-making in the contexts of sport, performance, and physical activity. Discussion of concepts, theories, guidelines, and professional practice standards to cultivate critical, reflective, ethically-based thinking and to resolve ethical dilemmas encountered in professional activities.
Course Component: Seminar

APA 5307 Legal Issues and Risk Management in Sport (3 units)

Selected legal and risk management issues in the sports industry, including a general introduction to law and to the Canadian constitution. Important topics covered: regulation of sports, equality and human rights, safety and cultural values in the sports environment and criminal and civil liability for injuries incurred during play. Also addressed: doping control, systems for resolving disputes, and selected commercial and employment issues in professional leagues.
Course Component: Lecture

APA 5308 Organizational Behaviour in Sport and Physical Activity (3 units)

Study of organizational behavior in sport and physical activity organizations. Discussion of topics such as effective interpersonal communication, goal setting, group dynamics, team building, diversity, leadership, group renewal processes, gender differences in the workplace, power dynamics, and conflict management.
Course Component: Seminar

APA 5311 Analysis and Enhancement of Interventions in Sport, Physical Activity and Health Settings (3 units)

Critical behaviour analysis of practitioners and clients in various sport, physical activity, and health contexts. Presentation of plans to enhance learning situations. Discussion of concepts of clinical supervision, self- supervision and peer-supervision. Experimentation with various observational tools. Prerequisite: APA 5107, APA 5926, APA 6905.
Course Component: Seminar
Prerequisites: APA 5107, APA 5926, APA 6905.

APA 5318 Financial Management of Sport and Physical Activity (3 units)

Financial management concepts and tools applied to sport and physical activity programs. Topics include: public and private sector funding, accounting and budgeting, economic impact studies, feasibility studies, resource acquisition strategies, public private partnerships, forms of ownership and event management.
Course Component: Seminar

APA 5319 Essential Competencies for Mental Performance Consultants (3 units)

Discussion and application of essential competencies and interventions for being an effective mental performance consultant in sport and performance contexts. Preparation for upcoming internship culminating in an internship proposal written document and oral defense.
Course Component: Seminar
Prerequisites: APA 5107, APA 5115, APA 6105.

APA 5320 Diversity, Equity and Inclusion Principles and Competencies for Practitioners (3 units)

Critical examination of theory, approaches, and interventions focusing on cultural competence, diversity, social justice, and advocacy. Discussion of characteristics of diverse individuals and populations impacting human behaviour and helping relationships, with implications for professional practice.
Course Component: Seminar

APA 5321 Analysis and Enhancement of Consulting Interventions and Supervision (3 units)

Critical behaviour analysis of practitioners and clients in sport and performance contexts. Presentation of action plans to enhance learning situations. Discussion of concepts of clinical supervision, self-supervision and peer-supervision. Experimentation with various observational tools.
Course Component: Seminar
Prerequisites: APA 5107, APA 5110, APA 5115, APA 5319, APA 5320, APA 6105. APA 5936 is corequisite to APA 5321.

APA 5504 Sport et activité physique dans la vie canadienne (3 crédits)

Analyse sociologique du sport et de l'activité physique. Déterminants socio-historiques du sport et de l'activité physique. Accent sur la structure organisationnelle du sport et de l'activité physique, les idéologies et les pratiques. Différents thèmes pourront aussi être examinés : la sociologie des organisations sportives, les mouvements sociaux, les problèmes sociaux.
Volet : Cours magistral

APA 5505 Perspectives organisationnelles du sport et de l'activité physique (3 crédits)

Interprétation des théories organisationnelles dans le contexte du sport et de l'activité physique. Accent sur les organisations du sport amateur et professionnel au Canada de même que des organisations du secteur public et privé oeuvrant dans le domaine du sport et de l'activité physique.
Volet : Cours magistral

APA 5507 Théories et techniques de counselling (3 crédits)

Analyse critique et application des théories, approches et aptitudes en matière de counselling dans des contextes de sport et de performance afin de développer une philosophie de counselling et de devenir une personne aidante efficace.
Volet : Séminaire

APA 5510 Programmes et outils pour le développement d'habiletés mentales (3 crédits)

Examen des habiletés mentales, des techniques et des outils utilisés pour évaluer et améliorer la performance et le bien-être dans divers contextes. Développement de compétences pour concevoir des formulaires de consultation, enseigner des aptitudes mentales, animer des ateliers et mettre en œuvre des programmes d'entraînement mental.
Volet : Séminaire
Préalables : APA 5507, APA 5515, APA 6505.

APA 5511 Gestion d'évènements sportifs (3 crédits)

Théories et principes relatifs à la planification, l'organisation et l'évaluation des événements sportifs (par exemple, Jeux Olympiques, Jeux de la Francophonie, Championnats nationaux). Analyse critique de la littérature scientifique relative à la gestion des événements sportifs.
Volet : Cours magistral

APA 5512 Gestion du sport international (3 crédits)

Étude culturelle, économique et politique du sport dans le contexte élargi de la mondialisation. Approche interdisciplinaire pour étudier l'impact du sport sur les cultures à l'échelle locale et mondiale ainsi que sur le développement.
Volet : Cours magistral

APA 5515 Méthodes de recherche appliquée pour les intervenants (3 crédits)

Examen des méthodes de recherche appliquée, de l'évaluation et de l'éthique. Application du modèle chercheur-intervenant pour analyser les études liées à la psychologie du sport et de la performance appliquée, développer les aptitudes pertinentes à la conception de la recherche et l'évaluation et intégrer les preuves scientifiques dans la pratique professionnelle. Réalisation d'une auto-évaluation à méthodes mixtes axée sur la croissance et le développement en tant qu'intervenant.
Volet : Séminaire

APA 5703 Marketing et commandite du sport et de l'activité physique (3 crédits)

Revue de la littérature et de la recherche portant sur le marketing, la commandite des événements et des programmes de sport et activité physique. Planification stratégique, levée de fonds et gestion des événements pour divers types d'organisations.
Volet : Cours magistral

APA 5705 Politique canadienne en matière de sport et activité physique (3 crédits)

Analyse critique du rôle de l'État dans le développement des politiques en matière de sport et d'activité physique. Analyse de ces politiques dans le contexte des différents organismes de sport amateur et professionnel au Canada de même que des autres organismes du secteur public et privé oeuvrant dans le domaine du sport et de l'activité physique.
Volet : Cours magistral

APA 5706 Éthique et valeurs dans les contextes du sport, de la performance et de l'activité physique (3 crédits)

Examen de l'éthique et des normes liées à la prise de décision dans les contextes du sport, de la performance et de l'activité physique. Discussion des concepts, des théories, des lignes directrices et des normes de la pratique professionnelle afin de cultiver une pensée critique, réfléchie, fondée sur l'éthique et de résoudre les dilemmes éthiques rencontrés lors d'activités professionnelles.
Volet : Séminaire

APA 5707 Aspects légaux et gestion du risque en sport (3 crédits)

Gestion du risque dans l'industrie du sport et divers aspects juridiques du sport, y compris une introduction générale au droit et à la constitution canadienne. Sujets critiques abordés : la réglementation sportive, l'égalité et les droits de la personne, la sécurité et les valeurs culturelles dans le milieu sportif et la responsabilité pénale et civile relative aux blessures sur le terrain. Aussi abordé : le contrôle antidopage, le règlement des différends et les principales problématiques commerciales et d'emploi au sein des circuits professionnels.
Volet : Cours magistral

APA 5708 Comportement organisationnel en sport et activité physique (3 crédits)

Étude des comportements de groupe au sein des organismes de sport et d'activité physique. Discussion de divers enjeux tels la communication efficace, l'établissement d'objectifs, la dynamique de groupe, le développement de l'esprit d'équipe, la diversité, le leadership, le ressourcement collectif, les différences entre les hommes et les femmes en milieu de travail, les relations de pouvoir et la gestion des conflits.
Volet : Cours magistral

APA 5718 Gestion financière du sport et de l'activité physique (3 crédits)

Concepts et instruments de gestion financière appliquée aux programmes de sport et d'activité physique. Sujets abordés : financement des secteurs privé et public, comptabilité et budget, études d'impact économique, études de faisabilité, stratégies d'acquisition de ressources, partenariat public privé, formes de propriété et gestion d'événements.
Volet : Cours magistral

APA 5719 Compétences essentielles pour consultants en performance mentale (3 crédits)

Discussion et application des compétences essentielles et des interventions pour être un consultant en performance mentale efficace dans des contextes du sport et de la performance. Préparation au stage à venir se terminant par la rédaction d'une proposition de stage et d'une soutenance orale.
Volet : Séminaire
Préalables : APA 5507, APA 5515, APA 6505.

APA 5720 Principes et compétences en matière de diversité, équité et inclusion pour les intervenants (3 crédits)

Examen critique de la théorie, des approches et des interventions axées sur la compétence culturelle, la diversité, la justice sociale et la défense des droits. Discussion des caractéristiques des divers individus et populations ayant un impact sur le comportement humain et les relations d'aide, avec des implications pour la pratique professionnelle.
Volet : Séminaire

APA 5721 Analyse et perfectionnement d'interventions de consultation et de supervision (3 crédits)

Analyse critique des comportements des intervenants et des clients dans différents contextes du sport et de la performance. Présentation de plans d'action visant à améliorer les situations d'apprentissage. Discussion de concepts de supervision clinique, d'auto-supervision et de supervision par les pairs. Expérimentation avec divers instruments d'observation.
Volet : Séminaire
Préalables : APA 5507, APA 5510, APA 5515, APA 5719, APA 5720, APA 6505. Le cours APA 5936 est concomitant à APA 5721.

APA 5916 Stage en administration du sport et de l'activité physique / Internship in Administration of Sport and Physical Activity (3 crédits / 3 units)

Entraînement pratique d'une durée de 360 heures sous la direction d'un membre du corps professoral et d'un spécialiste travaillant au sein d'un organisme oeuvrant dans le domaine du sport et/ou de l'activité physique. / A 360-hour practical internship under the supervision of a faculty member and of a specialist in a selected organization in the field of sport and/or physical activity.
Volet / Course Component: Stage / Work Term
Préalables : APA 5505, APA 5703, APA 5708. Les étudiants reçoivent une note de S (satisfaisant) ou NS (non satisfaisant). / Prerequisite: APA 5105, APA 5303, APA 5308. Students receive a grade of S (satisfactory) or NS (non-satisfactory).

APA 5921 Analyse et réflexion critiques de la théorie et pratique en gestion du sport / Critical Analysis and Reflection on Theory and Practice in Sport Management (3 crédits / 3 units)

Analyse critique du stage en gestion du sport et de l'activité physique en s'appuyant sur les connaissances théoriques acquises dans les cours du programme. / Critical analysis of the internship in the management of sport and physical activity in light of the theoretical knowledge gained in program courses.
Volet / Course Component: Recherche / Research
Le cours APA 5916 est concomitant à APA 5921. Les étudiants reçoivent une note de S (satisfaisant) ou NS (non satisfaisant). / APA 5916 is corequisite to APA 5921. Students receive a grade of S (satisfactory) or NS (non-satisfactory).

APA 5926 Stage en intervention et consultation / Internship in Intervention and Consultation (3 crédits / 3 units)

Entraînement pratique d'une durée de 400 heures sous la direction d'un membre du corps professoral et d'un spécialiste travaillant au sein d'un organisme dans le domaine du sport, de l'activité physique, et/ou de la santé. / A 400-hour practical internship under the supervision of a faculty member and a specialist in a selected organization in the field of sport, physical activity, and/or health.
Volet / Course Component: Stage / Work Term
Préalables : APA 5507, APA 5509, APA 5510, APA 5706, APA 5719, APA 6905. / Prerequisites: APA5107, APA5109, APA5110, APA5306, APA5319 and APA6905.

APA 5931 Analyse et réflexion critiques de la théorie et pratique : intervention et consultation / Critical Analysis and Reflection of Theory and Practice: Intervention and Consultation (3 crédits / 3 units)

Rapport écrit analysant le stage pratique en intervention et consultation à la lumière des connaissances théoriques acquises dans les cours du programme. Préalable : APA 5926. / Major paper analyzing the internship in intervention and consultation in light of the theoretical knowledge gained in program courses.
Volet / Course Component: Recherche / Research
Préalable : APA 5926 / Prerequisite: APA5926.

APA 5936 Stage : consultation en performance mentale / Internship: Mental Performance Consulting (3 crédits / 3 units)

Stage pratique d'une durée de 400 heures sous la direction d'un membre du corps professoral qui est membre du Registre des mentors approuvés par Certified Mental Performance Consultant®. Le stage commencera en été après la fin du cours de printemps APA 5720. / A 400-hour practical internship mentored by a faculty member who is listed in the Certified Mental Performance Consultant® Registry of Approved Mentors. The internship will start in the summer only after the Spring course APA 5320 has been completed.

Volet / Course Component: Stage / Work Term

Préalables : APA 5507, APA 5510, APA 5706, APA 5719, APA 6505. Le cours APA 5720 est concomitant à APA 5936. / Prerequisites: APA 5107, APA 5110, APA 5306, APA 5319, APA 6105. APA 5320 is corequisite to APA 5936.

APA 5941 Analyse et intégration du stage : consultation en performance mentale / Internship Analysis and Integration: Mental Performance Consulting (3 crédits / 3 units)

Examen critique du stage et consolidation de l'apprentissage à la lumière des connaissances théoriques et des compétences acquises tout au long du programme. Rapport de stage écrit et soutenance orale. / Critical examination of the internship and consolidation of learning in light of the theoretical knowledge and competencies gained throughout the program. Written internship report and oral defense.

Volet / Course Component: Séminaire / Seminar

Le cours APA 5936 est concomitant à APA 5941. / APA 5936 is corequisite to APA 5941.

APA 5997 Études dirigées en sport, activité physique et santé / Directed Studies in Sport, Physical Activity and Health (3 crédits / 3 units)

Recherche individuelle sur un problème relié au sport, à l'activité physique et/ou à la santé. Le sujet, sa portée et le plan de travail doivent être approuvés par le directeur adjoint des études supérieures. Un résumé écrit, signé par le professeur(e) est exigé. / Individual research investigation of a problem related to sport, physical activity and/or health. The subject and the work plan must be approved by the Assistant Director of Graduate Studies. A written abstract, signed by the professor is also required.

Volet / Course Component: Recherche / Research

Permission of the Department is required.

APA 6100 Qualitative Data Analysis in Sport, Physical Activity and Health (3 units)

Study of the major methods (observation, interviews, textual analysis) used to collect qualitative data in sport, physical activity and health. Emphasis on developing the skills needed in the management, analysis and interpretation of qualitative data.

Course Component: Lecture

APA 6101 Quantitative Data Analysis in Sport, Physical Activity and Health (3 units)

Advanced statistical analysis and interpretation of data derived from experimental and quasi-experimental research. Application of analysis of variance, analysis of covariance, MANOVA and techniques of linear regression, multivariate analysis and factor analysis.

Course Component: Lecture

Prerequisite: undergraduate statistics course is strongly recommended.

APA 6102 Selected Topics in Sport, Physical Activity and Health: Physiological Studies (3 units)

Critical analysis and discussion of recent theoretical and empirical papers presented and published in the physiology of exercise and health. Previously APA 6901.

Course Component: Seminar

APA 6103 Selected Topics in Sport, Physical Activity and Health: Biomechanics (3 units)

A critical analysis and discussion of recent theoretical and empirical papers presented and published in Movement Studies. Previously APA 6903.

Course Component: Seminar

APA 6104 Selected Topics in Sport, Physical Activity and Health: Sociocultural Studies (3 units)

A critical analysis and discussion of recent theoretical and empirical papers presented and published in the sociology of sport organizations as well as in the sociology of sport, physical activity and health. Previously APA 6904.

Course Component: Seminar

APA 6105 Selected Topics in Sport, Physical Activity and Health: Psychology and Pedagogy (3 units)

Critical analysis and discussion of recent theoretical and empirical papers presented and published in intervention as well as in psychology of sport, performance, physical activity and health.

Course Component: Seminar

APA 6109 Selected Topics in Sport, Physical Activity and Health: Motor Control and Learning (3 units)

Major concepts and principles of motor control and learning. Analysis of sensory, cognitive, neural and environmental factors that affect motor control and learning. Study of special populations and computational models using contemporary laboratory techniques. Previously APA 6909.

Course Component: Seminar

APA 6110 Selected Topics in Sport, Physical Activity and Health: Management (3 units)

Critical analysis and discussion of recent theoretical and empirical papaers published in the area of sport management. Previously APA 6910.

Course Component: Seminar

APA 6111 Selected Topics in Sport, Physical Activity and Health: Leisure Studies (3 units)

Critical analysis and discussion of recent research publications in leisure studies. Previously APA 6911.

Course Component: Lecture

APA 6302 Qualitative Research Methods in Sport, Physical Activity and Health (3 units)

Discussion of theoretical foundations of qualitative research methods. Detailed examination of a research proposal. Critical evaluation of methodology and analysis of research related to sport, physical activity and health.

Course Component: Lecture

APA 6303 Quantitative Research Methods in Sport, Physical Activity and Health (3 units)

Discussion of theoretical foundations of quantitative research methods. Detailed examination of a research proposal. Critical evaluation of methodology and analysis of research related to sport, physical activity and health.
Course Component: Lecture

APA 6500 Analyse de données qualitatives en sport, activité physique et santé (3 crédits)

Présentation des principales méthodes (observations, entrevues, textes) utilisées pour la collecte de données dans les recherches qualitatives en sport, activité physique et santé. Accent sur le développement des habiletés nécessaires pour la gestion, l'analyse et l'interprétation de données qualitatives.
Volet : Cours magistral

APA 6501 Analyse de données quantitatives en sport, activité physique et santé (3 crédits)

Analyse statistique avancée et interprétation des données de recherche dans le cadre de plans expérimentaux et quasi-expérimentaux. Application de la procédure d'analyse de la variance, d'analyse de la covariance, d'analyse MANOVA et techniques de régression linéaire, d'analyse multivariée et d'analyse factorielle.
Volet : Cours magistral
Préalable : cours de statistiques au baccalauréat est fortement recommandé.

APA 6505 Thèmes choisis en sport, activité physique et santé : Psychologie et pédagogie (3 crédits)

Analyse critique et discussion de récents articles théoriques et empiriques présentés et publiés dans le domaine de l'intervention et de la psychologie du sport, de la performance, de l'activité physique et de la santé.
Volet : Séminaire

APA 6702 Méthodes de recherche qualitative en sport, activité physique et santé (3 crédits)

Discussion des fondements théoriques des méthodes en recherche qualitative. Examen détaillé d'une proposition de recherche. Évaluation critique de la méthodologie et analyse de la recherche dans le domaine du sport, de l'activité physique et de la santé.
Volet : Cours magistral

APA 6703 Méthodes de recherche quantitative en sport, activité physique et santé (3 crédits)

Discussion des fondements théoriques des méthodes en recherche quantitative. Examen détaillé d'une proposition de recherche. Évaluation critique de la méthodologie et analyse de la recherche dans le domaine du sport, de l'activité physique et de la santé.
Volet : Cours magistral

APA 6997 Projet de thèse de maîtrise / Master's Thesis Proposal

Volet / Course Component: Recherche / Research

APA 7120 Selected Topics (3 units)

Selected aspects of biophysical and/or psychosocial sciences, not covered by other graduate courses. Topics vary from year to year. Students at the Master's level must obtain permission from the Assistant Director of Graduate Studies.
Course Component: Lecture

APA 7301 Critical Socio-Cultural Perspectives on Sport, Physical Activity and Health (3 units)

Critical analysis of sport, physical activity and health issues and concepts through contemporary socio-cultural theories. Application of theoretical models most relevant to the students' areas of research to assist them as they move forward in their doctoral thesis.
Course Component: Seminar

APA 7302 Contemporary Psychological Theories in Sport, Physical Activity and Health (3 units)

Application of the most recent theories in psychology to issues in sport, physical activity and health. Seminar course to encourage active dialogue around the application of theory to contemporary issues in the field.
Course Component: Seminar

APA 7304 Advanced Exercise Metabolism and Physiology (3 units)

Principles of exercise metabolism and physiology. Topics include: regulation of energy and substrate metabolism, neuroendocrine systems, adipose tissue, environmental influences, nutrition, weight control, and the impact of exercise on health and disease.
Course Component: Seminar

APA 7305 Advanced Topics in Biomechanics and Motor/Control Learning (3 units)

Examination of current topics in biomechanics and motor/control research, including advanced motion analysis, biomedical imaging techniques, muscle mechanics, musculoskeletal injury mechanisms, musculoskeletal modeling, neuromuscular control of movement, and/or clinical biomechanics.
Course Component: Seminar

APA 7520 Thèmes choisis (3 crédits)

Aspects choisis des sciences biophysique et/ou psychosocial non traités dans d'autres cours des cycles supérieurs. Les thèmes varient d'une année à l'autre. Les étudiants à la maîtrise doivent obtenir la permission du Directeur adjoint des études supérieures.
Volet : Cours magistral

APA 7701 Perspectives critiques socioculturelles sur le sport, l'activité physique et la santé (3 crédits)

L'analyse critique d'enjeux et de concepts liés au sport, à l'activité physique et à la santé à la lumière de théories socioculturelles contemporaines. L'application des modèles théoriques les plus pertinents aux domaines de recherche des étudiants afin d'appuyer leur travail de thèse.
Volet : Séminaire

APA 7702 Théories psychologiques contemporaines du sport, de l'activité physique et de la santé (3 crédits)

L'application des théories psychologiques les plus récentes au sport, à l'activité physique et à la santé. Ce cours, donné sous forme de séminaire, a pour but d'encourager le dialogue autour de l'application des théories aux enjeux contemporains propres à ce domaine.
Volet : Séminaire

APA 7704 Principes avancés de la physiologie et du métabolisme de l'exercice (3 crédits)

Principes de la physiologie et du métabolisme de l'exercice. Les thèmes comprennent : la régulation de l'énergie et le métabolisme du substrat, les systèmes neuroendocriniens, le tissu adipeux, les influences environnementales, la nutrition, le contrôle du poids et l'impact de l'exercice sur la santé et sur la maladie.
Volet : Séminaire

APA 7705 Principes avancés de la biomécanique et de l'apprentissage du contrôle moteur (3 crédits)

Examen des thèmes actuels de la recherche sur la biomécanique et le contrôle moteur, y compris l'analyse avancée du mouvement, les techniques d'imagerie biomédicale, la mécanique des muscles, les mécanismes des traumatismes musculo-squelettiques, les modèles musculo-squelettiques, le contrôle neuromusculaire du mouvement et/ou la biomécanique clinique.
Volet : Séminaire

APA 9997 Projet de thèse / Thesis proposal

Les étudiants, encadrés par leur directeur de thèse, rédigent leur projet de thèse. Ils le présentent et le défendent oralement devant le CCT. Il est possible d'obtenir des renseignements supplémentaires dans le guide des études supérieures pour étudiants et superviseurs, publié sur le site Web de notre programme. Après avoir réussi la soutenance orale du projet de thèse, l'étudiant doit ensuite obtenir l'approbation du comité d'éthique (si nécessaire) avant d'entamer la collecte de données. Règle générale, le projet de thèse est défendu vers le milieu de la deuxième année, au plus tard à la fin de cette année. Un étudiant qui échoue à la première tentative peut se voir accorder la permission de la répéter une seule fois. L'échec de la deuxième tentative mène à une note NS (non satisfaisant) et au retrait de l'étudiant du programme. / Students write their thesis proposal under the guidance of their thesis supervisor and present and defend it orally before the TAC. Details are available in the Graduate Handbook for Students and Supervisors posted on our program website. After successfully defending the oral thesis proposal, the student must obtain ethics approval (if required) before proceeding to data collection. The proposal will normally have been defended towards the middle of the second year and, at the latest, by the end of that year. A student who is unsuccessful on the first attempt may be allowed to repeat it once. Failure on the second attempt leads to a grade of NS (Not satisfactory) and withdrawal from the program.
Volet / Course Component: Recherche / Research
Préalable: APA 9998 / Prerequisite: APA 9998

APA 9998 Examen de synthèse de doctorat / Ph.D. Comprehensive Examination

Volet / Course Component: Recherche / Research