

THE UNIVERSITY OF BRITISH COLUMBIA | OKANAGAN



OKANAGAN SENATE SECRETARIAT

Enrolment Services

Senate and Curriculum Services

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www.senate.ubc.ca

19 May 2010

To: Okanagan Senate

From: Senate Curriculum Committee

Subject: May Curriculum Proposals (approval)

The Senate Curriculum Committee has reviewed the material forwarded to it by the faculties, and encloses those proposals it deems ready for approval.

As such, the following is recommended to Senate:

Motion: *That Senate approve the new and revised courses and programs brought forward by the Faculties of Applied Science, Arts and Sciences, Health and Social Development, and the College of Graduate Studies as set out in the attached proposals.*

Respectfully submitted,

Dr. Robert Campbell
Chair, Curriculum Committee



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To: Okanagan Senate

From: Senate Curriculum Committee

Subject: May Curriculum Proposals (approval)

Attached please find the following for your consideration:

From the Faculty of Applied Science

1. The following new courses:
 - a. ENGR 342 (3) Open Channel Flow
 - b. ENGR 516 (3) Advanced Manufacturing
 - c. ENGR 575 (3) Analytical Techniques in Materials Characterization
 - d. ENGR 576 (3) Mechanical Behaviour of Solids
 - e. ENGR 577 (3) Theory of Elasticity and Plasticity
 - f. ENGR 579 (3) Combustion
 - g. ENGR 585 (3) Turbulence
 - h. ENGR 590 (3) Advanced Fluid Mechanics
 - i. ENGR 595 (3) Solidification: Science and Processing

From the Faculty of Arts and Sciences

1. The following new courses:
 - a. ANTH 425 (3) Seminar in Medical Anthropology
 - b. GEOG 421 (3) Geography of Food Systems

From the Faculty of Health and Social Development

1. The following new courses:
 - a. HMKN 313 (3) Exercise Metabolism
 - b. HMKN 314 (3) Body Composition
 - c. HMKN 400 (3) Ethics for Health Practitioners
 - d. HMKN 401 (3) Community Placement Experience
 - e. HMKN 411 (3) Environmental Physiology
 - f. HMKN 412 (3) Neuromuscular Physiology

- g. HMKN 413 (3) Cortical Control of Movement
- h. HMKN 414 (3) Advanced Circulatory Physiology
- i. HMKN 422 (3) Health Promotion II: Applications
- j. HMKN 423 (3) Applied Nutrition: Exercise and Chronic Disease
- k. HMKN 431 (3) Exercise Rehabilitation for Clinical Disorders of Aging
- l. HMKN 501 (3) Colloquium in Exercise Sciences

From the College of Graduate Studies

- 1. The following new course:
 - a. VGRS 599 Visiting Graduate Research Students
- 2. The following revised Interdisciplinary Graduate Studies theme:
 - a. Health and Exercise Sciences

**UBC Okanagan Curriculum Proposal Form
New or Change to Course or Program****Category: 1**

Faculty/School: Applied Science Dept/Unit: School of Engineering School Approval Date: March 17, 2010 Effective Session: 2010W	Date: March 15, 2010 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca
Proposed Calendar Entry: <u>ENGR 342 (3) Open Channel Flow</u> <u>Channel characteristics, flow</u> <u>classification, specific energy and</u> <u>momentum, uniform flow, critical</u> <u>flow, hydraulic jump, flow control</u> <u>structures, channel design,</u> <u>unsteady flow, contaminant</u> <u>transport. [3-2*-0]</u> <u>Prerequisite: APSC 253.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: This new course will replace ENGR 310 as a compulsory course for civil engineering students. The course content will include materials related to the labs and curriculum appropriate to civil engineering students. All hydraulics-related labs will be moved from ENGR 331 to this course and ENGR 331 will be discontinued.

**UBC Okanagan Curriculum Proposal Form
New or Change to Course or Program****Category: 1**

Faculty/School: Applied Science Department/Unit: School of Engineering School Approval Date: March 17, 2010 Effective Session: 2010W	Date: May 3, 2010 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca
Proposed Calendar Entry: <u>ENGR 516 (3) Advanced Manufacturing</u> <u>Product manufacturing, powder</u> <u>metallurgy, Computer-Aided</u> <u>Design (CAD) and Computer-</u> <u>Aided Manufacturing (CAM),</u> <u>Computer Numeric Control</u> <u>(CNC) tools, process planning,</u> <u>micro and nano manufacturing,</u> <u>optical and electron measurement</u> <u>techniques.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: This new course is added to support graduate students at the School of Engineering, Faculty of Applied Science. Currently, there is no course with the proposed curriculum offered to the SOE students and UBC-O. The course will be offered once every two years. The course will include laboratory sessions using new equipment recently acquired by the SOE.

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Faculty/School: Applied Science Department/Unit: School of Engineering School Approval Date: March 17, 2010 Effective Session: 2010W	Date: May 3, 2010 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca
Proposed Calendar Entry: <u>ENGR 575 (3) Analytical Techniques in Materials Characterization</u> <u>Analytical transmission electron microscopy, scanning electron microscopy, X-ray dispersive spectroscopy and diffraction, neutron diffraction, thermogravimetric analysis and differential thermal analysis.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: This new course is added to support graduate students in engineering and science. This course will cover theoretical aspects of analytical characterization of materials. As the SOE is acquiring new instruments, the course will incorporate practical demonstrations / tests with analytical tools. Currently, there is no course offered at SOE with this curriculum. This course is expected to be offered every year.

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Faculty/School: Applied Science Department/Unit: School of Engineering School Approval Date: March 17, 2010 Effective Session: 2010W	Date: May 3, 2010 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca
Proposed Calendar Entry: <u>ENGR 576 (3) Mechanical Behaviour of Solids</u> <u>Physical and mechanical metallurgy of material behaviour; failure by yielding, ductile and brittle fracture, strengthening mechanisms, strength-structure relationships, dislocation mechanics, application of theory to fatigue and creep.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: This new course is added to support graduate students in Science and Engineering programs in the Faculty of Applied Science. The course will be offered once every two years. The SOE currently does not offer a course on advanced topics in mechanical behaviour of solids.

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Faculty/School: Applied Science Department/Unit: School of Engineering School Approval Date: March 17, 2010 Effective Session: 2010W	Date: May 3, 2010 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca
Proposed Calendar Entry: <u>ENGR 577 (3) Theory of Elasticity and Plasticity</u> <u>Linear and nonlinear elasticity equations for small and large deformations, generalized Hooke's law, Airy's stress function, theory of plasticity, yield criteria, finite element implementations.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: This new course is added to provide graduate students with a background in elasticity and plasticity. At the present time such a course is not available on campus. This information is required in order to support research activities in the areas of materials science, mechanics and structural engineering. The course would most likely be taught every second year.

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Faculty/School: Applied Science Department/Unit: School of Engineering School Approval Date: March 17, 2010 Effective Session: 2010W	Date: May 3, 2010 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca
Proposed Calendar Entry: <u>ENGR 579 (3) Combustion</u> <u>Physics and chemistry of</u> <u>combustion phenomena;</u> <u>thermochemistry, chemical</u> <u>kinetics, laminar, premixed and</u> <u>non-premixed flames; ignition,</u> <u>detonation, and spray</u> <u>combustion; introduction to</u> <u>turbulent combustion.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: This new course is added to support graduate mechanical engineering students. Due to the significance of fossil fuels and the extensive use of combustion in various industries, it is expected that the course will be taken by most graduate students with combustion-related research, and will be offered every year.

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Faculty/School: Applied Science Department/Unit: School of Engineering School Approval Date: March 17, 2010 Effective Session: 2010W	Date: May 3, 2010 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca
Proposed Calendar Entry: <u>ENGR 585 (3) Turbulence</u> <u>Statistical descriptions of</u> <u>turbulence and its scales,</u> <u>mechanisms of turbulence</u> <u>generation and evolution,</u> <u>characteristics of common</u> <u>turbulent flows, turbulence</u> <u>modelling: direct numerical and</u> <u>large eddy simulations, and</u> <u>Reynolds average Navier-Stokes.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: This new course is added to support graduate students in the Mechanical Engineering program at UBC Okanagan. Despite its fundamental significance in fluid mechanics research, it is expected to be mainly taken by graduate students with turbulence-related research, and will be offered every other year.

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Faculty/School: Applied Science Department/Unit: School of Engineering School Approval Date: March 17, 2010 Effective Session: 2010W	Date: May 3, 2010 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca
Proposed Calendar Entry: <u>ENGR 590 (3) Advanced Fluid Mechanics</u> <u>Derivation of the compressible Navier-Stokes equations, exact and approximate solutions, boundary layer flows, turbulence and its modelling.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: This new course is added to support graduate students in the Mechanical Engineering program at UBC Okanagan. This course is fundamental for mechanical and civil engineering graduate students with fluids/hydraulics-related research, and it is expected to be offered every year.

**UBC Okanagan Curriculum Proposal Form
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Faculty/School: Applied Science Department/Unit: School of Engineering School Approval Date: March 17, 2010 Effective Session: 2010W	Date: May 3, 2010 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca
Proposed Calendar Entry: <u>ENGR 595 (3) Solidification: Science and Processing</u> <u>Physical phenomena controlling solidification, defect formation, industrial casting and welding processes, derivation of conservation equations, and development of simple phase transformation models.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: This new course is added to provide graduate students with a background in industrial casting and solidification processing. At the present time such a course is not available on campus. This information is required in order to support research activities in the areas of solidification science and metallic alloy systems. The course would most likely be taught every second year.

**UBC Okanagan Curriculum Proposal Form
New or Change to Course or Program****Category: 1**

Faculty: Arts and Sciences Unit: Unit 1, CCS Faculty Approval Date: March 30, 2010 Effective Session: 2010W	Date: March 8, 2010 Contact Person: Hugo De Burgos Phone: 250.807.9328 Email: hugo.deburgos@ubc.ca
Proposed Calendar Entry: <u>ANTH 425 (3) Seminar in Medical Anthropology</u> <u>Critical exploration of health, illness, and healing from the perspective of contemporary theory and methods in medical anthropology and cross-cultural contexts. [0-0-3]</u> <u>Prerequisite: Third-year standing.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: This course is an indispensable part of the general offering of medical anthropology courses at a fourth-year level. Although it is primarily designed to meet the theoretical needs of both undergraduate and graduate students seeking an interdisciplinary M.A. or Ph.D. with a medical anthropology component, it is also open to any student interested in exploring the bio-cultural basis of health and the applications of anthropology in medicine, nursing, and public health both in Canada and abroad. This course is fundamentally different from ANTH 429 (Medical Anthropology and International Development) in its broad scope, multiple focus, extended content, and teaching format (i.e., it is a seminar).

**UBC Okanagan Curriculum Proposal Form
New or Change to Course or Program****Category: 1**

Faculty: Arts and Sciences Unit: 1, CCGS Faculty Approval Date: March 30, 2010 Effective Session: 2010W	Date: March 22, 2010 Contact Person: Jon Corbett Phone: 250.807.9348 Email: jon.corbett@ubc.ca
Proposed Calendar Entry: <u>GEOG 421 (3) Geography of Food Systems</u> <u>Contemporary issues in food systems, their relation to nutritional health and social, cultural, economic, and environmental sustainability. Case studies illustrate different components (from production to consumption) and scales (from community to global). Field trip required. [2-0-1]</u> <u>Prerequisites: All of GEOG 128, GEOG 129 and third-year standing.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: This course is designed to build on a new faculty member's expertise and strengthen the resource/environmental stream in the geography programme.

**UBC Okanagan Curriculum Proposal Form
New or Change to Course or Program****Category: 1**

Faculty: Health and Social Development Department: Human Kinetics Faculty Approval Date: April 9, 2010 Effective Session: 2010W	Date: April 9, 2010 Contact Person: G. Binsted Phone: 250.807.9642 Email: gordon.binsted@ubc.ca
Proposed Calendar Entry: <u>HMKN 313 (3) Exercise Metabolism</u> <u>The underlying metabolic events associated with exercise and nutritional challenges. Substrate delivery and skeletal muscle metabolism with respect to exercise. [3-0-0]</u> <u>Prerequisite: Third-year standing in Human Kinetics.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: Knowledge of metabolic processes associated with physical activity is central to a Human Kinetics student's understanding of exercise-related prescription, adaptation, and limitations. This course increases elective offerings to permit sufficient credit counts for graduation of the first HMKN class in 2011.

**UBC Okanagan Curriculum Proposal Form
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Faculty: Health and Social Development Department: Human Kinetics Faculty Approval Date: April 9, 2010 Effective Session: 2010W	Date: April 9, 2010 Contact Person: G. Binsted Phone: 250.807.9642 Email: gordon.binsted@ubc.ca
Proposed Calendar Entry: <u>HMKN 314 (3) Body Composition</u> <u>Body composition, with</u> <u>particular emphasis on the</u> <u>influence of physical (in)activity.</u> <u>Techniques for measuring the</u> <u>amounts of adipose tissue,</u> <u>muscle, and bone in the body. [3-</u> <u>0-0]</u> <u>Prerequisite: Third-year standing</u> <u>in Human Kinetics.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: Knowledge of changes in body composition associated with physical activity, and how to measure these changes, is central to a Human Kinetics student's understanding of exercise-related prescription, adaptation, and limitations. This course increases elective offerings to permit sufficient credit counts for graduation of the first HMKN class in 2011.

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Faculty: Health and Social Development Department: Human Kinetics Faculty Approval Date: April 9, 2010 Effective Session: 2010W	Date: April 9, 2010 Contact Person: G. Binsted Phone: 250.807.9642 Email: gordon.binsted@ubc.ca
Proposed Calendar Entry: <u>HMKN 400 (3) Ethics for Health Practitioners</u> <u>Ethics and Canadian law relating to consent, negligence, record keeping, trust and confidentiality, standards of care, professionalism, beneficence and non-maleficence, the just distribution of health care resources and responsibility for health outcomes. [3-0-0]</u> <u>Prerequisite: Third-year standing in Human Kinetics.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: Knowledge of professional ethics is core to any allied health discipline, informing in particular a Human Kinetics student's ability to reasonably and ethically address issues of health promotion and disease management. This is a core, capstone course for all Human Kinetics majors.

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Faculty: Health and Social Development Department: Human Kinetics Faculty Approval Date: April 9, 2010 Effective Session: 2010W	Date: April 9, 2010 Contact Person: G. Binsted Phone: 250.807.9642 Email: gordon.binsted@ubc.ca
Proposed Calendar Entry: <u>HMKN 401 (3) Community Placement Experience</u> <u>Practical work experience in a supervised health/human kinetics-related work setting with a cooperating agency, private business, or industry. [0-10-0]</u> <u>Prerequisite: Fourth-year standing in Human Kinetics.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: Practical experience is critical to framing the theoretical exposure students receive throughout their degree. This capstone course exposes students to the professional environment within the scope of academic study, permitting consideration of the professional scope of their chosen field of study. This is a core, capstone course for all Human Kinetics majors.

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Faculty: Health and Social Development Department: Human Kinetics Faculty Approval Date: April 9, 2010 Effective Session: 2010W	Date: April 9, 2010 Contact Person: G. Binsted Phone: 250.807.9642 Email: gordon.binsted@ubc.ca
Proposed Calendar Entry: <u>HMKN 411 (3) Environmental Physiology</u> <u>Regulation and adaptation of the cardiovascular, circulatory, and respiratory systems during environmental extremes. [3-0-0]</u> <u>Prerequisite: All of HMKN 310, HMKN 312.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: The physiological processes associated with exercise are known to adapt significantly to the external environment. An important tool for physical activity practitioners is to be able to consider these changes when prescribing exercise. This course increases elective offerings to permit sufficient credit counts for graduation of the first HMKN class in 2011.

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Faculty: Health and Social Development Department: Human Kinetics Faculty Approval Date: April 9, 2010 Effective Session: 2010W	Date: April 9, 2010 Contact Person: G. Binsted Phone: 250.807.9642 Email: gordon.binsted@ubc.ca
Proposed Calendar Entry: <u>HMKN 412 (3) Neuromuscular Physiology</u> <u>Integrated actions of the neural, somatosensory, and motor systems underlying human movement in healthy, diseased, and aged individuals. Emphasis will be placed upon motor unit physiology, reflexes, and the descending motor system. [3-0-0]</u> <u>Prerequisite: All of HMKN 310, HMKN 312.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: The physiological processes within the spinal cord and muscles are critical to the production of movement; they are also highly susceptible to disease. Understanding of pathologies and injuries to the nervous system, as well as its normal function, is important for health practitioners. This course increases elective offerings to permit sufficient credit counts for graduation of the first HMKN class in 2011.

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New or Change to Course or Program****Category: 1**

Faculty: Health and Social Development Department: Human Kinetics Faculty Approval Date: April 9, 2010 Effective Session: 2010W	Date: April 9, 2010 Contact Person: G. Binsted Phone: 250.807.9642 Email: gordon.binsted@ubc.ca
Proposed Calendar Entry: <u>HMKN 413 (3) Cortical Control of Movement</u> <u>Cortical events associated with sensation and motor planning associated with goal-directed movement. Particular focus on plasticity associated with disease and injury. [3-0-0]</u> <u>Prerequisite: Third-year standing in Human Kinetics.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: The cortical processes within movement and sensation are critical for the maintenance activities of daily living; they are also highly susceptible to disease and injury. Understanding of pathologies and injuries to the nervous system, as well as its normal function, is important for health practitioners. This course increases elective offerings to permit sufficient credit counts for graduation of the first HMKN class in 2011.

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Faculty: Health and Social Development Department: Human Kinetics Faculty Approval Date: April 9, 2010 Effective Session: 2010W	Date: April 9, 2010 Contact Person: G. Binsted Phone: 250.807.9642 Email: gordon.binsted@ubc.ca
Proposed Calendar Entry: <u>HMKN 414 (3) Advanced Circulatory Physiology</u> <u>Regulation and adaptation of the circulatory systems at rest, during exercise. Focus on adaptations and prescription implications following pathology. [0-0-3]</u> <u>Prerequisite: All of HMKN 310, HMKN 312.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: A core understanding of the circulatory system is critical to appropriately prescribing exercise and understanding pathology of both clinical and normal populations. This course increases elective offerings to permit sufficient credit counts for graduation of the first HMKN class in 2011.

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Faculty: Health and Social Development Department: Human Kinetics Faculty Approval Date: April 9, 2010 Effective Session: 2010W	Date: April 9, 2010 Contact Person: G. Binsted Phone: 250.807.9642 Email: gordon.binsted@ubc.ca
Proposed Calendar Entry: <u>HMKN 422 (3) Health Promotion II: Applications</u> <u>Advanced strategies for health promotion in various arenas, particularly health education and communication aimed at encouraging physical activity. [0-0-3]</u> <u>Prerequisite: HMKN 322 and third-year standing in Human Kinetics.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: The ability to promote health by appropriate strategies of communication and public education are core to the successful prevention of chronic disease and maintenance of a healthy population. This course increases elective offerings to permit sufficient credit counts for graduation of the first HMKN class in 2011.

**UBC Okanagan Curriculum Proposal Form
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Faculty: Health and Social Development Department: Human Kinetics Faculty Approval Date: April 9, 2010 Effective Session: 2010W	Date: April 9, 2010 Contact Person: G. Binsted Phone: 250.807.9642 Email: gordon.binsted@ubc.ca
Proposed Calendar Entry: <u>HMKN 423 (3) Applied Nutrition: Exercise and Chronic Disease</u> <u>Application of principles of nutrition to chronic disease and exercise. Practical considerations of prescription toward sport performance and disease prevention. [3-0-0]</u> <u>Prerequisite: HMKN 323.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: Although Human Kinetics students devote a significant portion of their studies to physical activity, it is critical that students understand the role of nutrition, both as a determinant of health and as a contributor to exercise. This course increases elective offerings to permit sufficient credit counts for graduation of the first HMKN class in 2011.

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Faculty: Health and Social Development Department: Human Kinetics Faculty Approval Date: April 9, 2010 Effective Session: 2010W	Date: April 9, 2010 Contact Person: G. Binsted Phone: 250.807.9642 Email: gordon.binsted@ubc.ca
Proposed Calendar Entry: <u>HMKN 431 (3) Exercise Rehabilitation for Clinical Disorders of Aging</u> <u>Consideration of disabilities and pathologies associated with aging. Particular focus on physiological changes and how they affect quality of life and activities of daily living. [0-0-3]</u> <u>Prerequisite: HMKN 331.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: Increased longevity does not necessarily reduce age-associated chronic morbidity. This course will introduce students to health-related gerontological issues that may ultimately influence the course of health care in the future. This course increases elective offerings to permit sufficient credit counts for graduation of the first HMKN class in 2011.

**UBC Okanagan Curriculum Proposal Form
New or Change to Course or Program****Category: 1**

Faculty: Health and Social Development Department/Unit: Human Kinetics Faculty Approval Date: April 9, 2010 Effective Session: 2010W	Date: April 9, 2010 Contact Person: J. Jacobi Phone: 250.807.9884 Email: jennifer.jacobi@ubca.ca
Proposed Calendar Entry: <u>HMKN 501 (3) Colloquium in Exercise Sciences</u> <u>Seminar examining current topics, controversies, and arising research trends in health and exercise sciences. [0-0-3]</u> <u>Prerequisite: Graduate standing and permission of the instructor.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: Due to the interdisciplinary nature of Health and Human Kinetics it is critical that graduate students are exposed to a large breadth of research and methods. This course will provide a forum for the discussion of research and controversies within health and exercise.

**UBC Okanagan Curriculum Proposal Form
New or Change to Course or Program****Category: 1**

Faculty: College of Graduate Studies Department/Unit: N/A Faculty Approval Date: January 28, 2010 Effective Session: 2010S	Date: March 25, 2010 Contact Person: Dean Marvin Krank Phone: 250.807.8773 Email: marvin.krank@ubc.ca
Proposed Calendar Entry: <u>VGRS 599 (0) Visiting Graduate Research Students</u> <u>Restricted to visiting graduate students.</u>	Draft Calendar URL: N/A Present Calendar Entry: Type of Action: New course. Rationale: There is a need to facilitate participation of visiting graduate students for short-term research projects. This course will provide an option to allow students to be formally recognized in the system and gain access to UBC services on campus. Registration in this course will also help with the liability coverage for unregistered students working in UBC labs The visiting graduate students are classified as non-degree seeking students and are not allowed to register or audit any other courses. Therefore, there should be no budgetary impacts. A similar course for undergraduates has been approved by Curriculum Committee.



UBC Okanagan Curriculum Proposal Form New or Change to Course or Program

Category: 1

<p>Faculty: College of Graduate Studies Department/Unit: N/A Faculty Approval Date: April 14, 2010 Effective Session: 2010W</p>	<p>Date: April 14, 2010 Contact Person: Dr. Daniel Keyes Phone: 250.807.9320 Email: daniel.keyes@ubca.ca</p>
<p>Proposed Calendar Entry:</p> <p>Homepage > Faculties, Schools, and Colleges > College of Graduate Studies > Interdisciplinary Graduate Studies > Program Overview</p> <p>[12102]</p> <p><i>Degrees offered: M.A., M.Sc., M.F.A., Ph.D.</i></p> <p>[...]</p> <p>[14969] Students completing an IGS degree must select one of two program options: Individualized or Themed.</p> <p>[...]</p> <p>[14971] In the Themed option, a number of defined themes have been established to assist students in focusing their studies towards particular areas of interest. A theme is defined as an area of research with courses specified to further students' educations in that area, with a cluster of interested faculty associated with it to assist students in their program. Students admitted to an IGS program (M.A., M.Sc., M.F.A., Ph.D.) have an option of completing a theme while completing their program of study.</p>	<p>Draft Calendar URL:</p> <p>http://okanagan.students.ubc.ca/calendar/index.cfm?tree=18,285,898,1058</p> <p>Present Calendar Entry:</p> <p>Homepage > Faculties, Schools, and Colleges > College of Graduate Studies > Interdisciplinary Graduate Studies > Program Overview</p> <p>[12102]</p> <p><i>Degrees offered: M.A., M.Sc., M.F.A., Ph.D.</i></p> <p>[...]</p> <p>[14969] Students completing an IGS degree must select one of two program options: Individualized or Themed.</p> <p>[...]</p> <p>[14971] In the Themed option, a number of defined themes have been established to assist students in focusing their studies towards particular areas of interest. A theme is defined as an area of research with courses specified to further students' educations in that area, with a cluster of interested faculty associated with it to assist students in their program. Students admitted to an IGS program (M.A., M.Sc., M.F.A., Ph.D.) have an option of completing a theme while completing their program of study.</p>



[14972] All themes require the production of a theme-appropriate IGS thesis/dissertation and several courses specific to that theme of study as specified by the theme committee. For the purposes of specifying required coursework, the theme committee, in conjunction with the supervisor, approves the program plan.

[14973] Themes for IGS programs are set from time to time by the College of Graduate Studies, and are areas of research and study without their own degree programs at UBC Okanagan but are specific enough to warrant concentrated and defined areas of study. Upon completing an IGS degree to the satisfaction of the theme committee, the following notation is added to a student's transcript: "As part of their Interdisciplinary Graduate Studies degree program, this student completed a theme entitled NAME OF THEME."

[14974] At present, the following themes have been identified as part of the IGS program:

[14975]

- Health **and Exercise Sciences**
- Indigenous Studies
- Latin American and Iberian Studies
- Optimization
- Studies in Cultures and Texts
- Sustainability

[14976] For more information on a theme, prospective students are asked to contact the College of Graduate Studies.

[13828] IGS is presently available in the Faculties of Arts and Sciences, Creative and Critical Studies, Education, Health and Social Development, and Management.

[14972] All themes require the production of a theme-appropriate IGS thesis/dissertation and several courses specific to that theme of study as specified by the theme committee. For the purposes of specifying required coursework, the theme committee, in conjunction with the supervisor, approves the program plan.

[14973] Themes for IGS programs are set from time to time by the College of Graduate Studies, and are areas of research and study without their own degree programs at UBC Okanagan but are specific enough to warrant concentrated and defined areas of study. Upon completing an IGS degree to the satisfaction of the theme committee, the following notation is added to a student's transcript: "As part of their Interdisciplinary Graduate Studies degree program, this student completed a theme entitled NAME OF THEME."

[14974] At present, the following themes have been identified as part of the IGS program:

[14975]

- Health
- Indigenous Studies
- Latin American and Iberian Studies
- Optimization
- Studies in Cultures and Texts
- Sustainability

[14976] For more information on a theme, prospective students are asked to contact the College of Graduate Studies.

[13828] IGS is presently available in the Faculties of Arts and Sciences, Creative and Critical Studies, Education, Health and Social Development, and Management.



	<p>Type of Action: Modify a thematic option to the IGS graduate program degree offerings.</p> <p>Rationale: Human Kinetics and Health Studies have administratively merged, and to reflect this amalgamation and the multidisciplinary research culture that is being facilitated, a unified graduate program is being modeled that meets the needs of research expertise in the area of physiology, kinesiology, psychology, exercise, wellness, and health (population and individual). The program created in 2006, does not reflect the current interest of members due to the directional change undertaken between Human Kinetics and Health Studies. This amalgamation of units creates a critical mass of investigators to mentor IGS students. The anticipated enrolment for the fall of 2010 is 6 doctoral students; 8 applications have been received to date. Twelve enquiries were fielded at the doctoral level, and three at the master's level regarding graduate studies for 2010.</p> <p>The interdisciplinary foundation of 'Health' and 'Human Kinetics' affords creation of a theme that is in high demand by incoming students and presents a unique opportunity for the UBCO campus to recruit graduate students. Trainees will be competent in both the promotion of health and prevention of chronic disease through individual behaviours (Exercise) and societal actions. This theme will provide students with foundational and practical background, knowledge, theory, and skills for significant postings in health, education, research, and policy professions.</p> <p>The following is a list of UBC O faculty who have committed to serving on the Program committee and to offering the IGS theme in Health and Exercise Sciences:</p> <p>Phil Ainslie (Ph.D. Oxford / John Moores</p>
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	<p>University) Research is directed to the integrated mechanisms which regulate human cerebral blood flow in health and disease.</p> <p>Gordon Binsted (PhD University of Alberta). Research is directed toward understanding the role of cortical brain structures in the use sensation for movement control.</p> <p>Alan Davidson (Ph.D. University of British Columbia). Research expertise in health policy, social determinants of human health and health services research. Research foci is on issues of equity, social justice and access to resources supportive of human health and welfare.</p> <p>Jennifer Jakobi (Ph.D. University of Western Ontario). Research expertise in neuromuscular physiology and exercise with a concentration in aging, sex-related differences and frailty.</p> <p>Rob Johnson (MPE, University of British Columbia). Expertise in physical education and optimal environment for development of movement skills.</p> <p>Mary Jung (Ph.D. University of Alberta) Research interests associated with group dynamics in physical activity and exercise adherence.</p> <p>Colin Reid (Ph.D. University of Victoria) Research interest in quality of care and outcomes for institutionalized seniors with dementia and health services research with a focus on seniors populations.</p> <p>Sally Stewart (Ph. D. University of British Columbia) Research interests in health promotion and physical activity associated with body composition.</p>
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