

TO: Curriculum and Program Review Committee
FROM: Ellen Vogel, Dean
SUBJECT: Submission to CPRC – February 2013
DATE: February 13, 2013

The Faculty of Health Sciences recommends:

That the Curriculum and Program Review Committee approve the following changes in the Faculty of Health Sciences for the 2013-2014 academic year:

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MAJOR PROGRAM MODIFICATION – PROPOSAL BRIEF

KINESIOLOGY - CHANGE FROM SPECIALIZATION TO MAJOR

INTRODUCTION

This proposal is to change the Kinesiology Specialization to a Major within the Bachelor of Health Science program. It is purely a nomenclature change, with no changes to the program.

According to the UOIT nomenclature policy a Major is defined as: “A prescribed set of courses, and/or other units of study, research and practice in an area of disciplinary or interdisciplinary study within an undergraduate program, normally requiring at least 30 credit hours of study. The major appears on the academic transcript and on the degree parchment.” Under this policy the Kinesiology Specialization would qualify as a Major.

The Kinesiology degree has existed as a specialization within the BSc (Hons) since 2008. There are 42 credits of core kinesiology courses for the Health and Wellness, Exercise Science, and Rehabilitation options plus at least one unique kinesiology course for each option, for a total minimum of 45 specified credits, which means that it should be classified as a Major.

An important advantage of the proposed change is that the Major would be recognized on the degree parchment, which is important for graduates to display to clients in their workplace.

The following is a brief summary of the current structure.

EXERCISE SCIENCE OPTION (ES)

42 core kinesiology core credits as specified on the program maps as well as HLSC 4414U - Advanced Topics in Neuromuscular Physiology and Pathophysiology and HLSC 4472U Clinical Biomechanics and Ergonomics.

REHABILITATION OPTION (ES)

This option includes the same courses as the Exercise Science Option. In addition it includes the addition of two practical anatomy courses, HLSC 4473U – Practical Human Anatomy I and HLSC 4474U- Practical Human Anatomy II. This option is part of the collaborative partnership with the Canadian Memorial Chiropractic College.

HEALTH AND WELLNESS OPTION (HW)

42 core kinesiology courses as specified on the program maps as well as HLSC 4460U – Selected Topics in Physical Activity and Health.

PROGRAM STRUCTURE

SUMMARY OF PROPOSED CHANGES

The only change requested is to change the name of the Kinesiology specialization to a Major.

PROGRAM MAPS

The following are the existing program maps proposed for each degree specialization. **Core Kinesiology specific courses common to all streams are highlighted in Light green and Option specific courses are in dark green.**

Kinesiology Major – Health & Wellness Option	
Year 1 (2013 - 2014)	
Semester 1	Semester 2
BIOL 1010U - Biology I	HLSC 1201U - Anatomy & Physiology II
HLSC 1200U - Anatomy & Physiology I	HLSC 1811U – Social Determinants of Health
HLSC 1702U - Academic Writing & Presentation Skills	PSYC 1000U - Introductory Psychology
HLSC 1810U – Health Promotion & Healthy Active Living	Open Elective
Open Elective	Open Elective
Year 2 (2014 - 2015)	
Semester 1	Semester 2
HLSC 2400U - Intro to Movement Neuroscience	HLSC 2110U - Foundations in Clinical and Exercise Biochemistry
HLSC 2462U - Altered Physiology: Mechanisms of Disease I	HLSC 2401U - Human Growth and Motor Development
HLSC 3470U - Kinesiology I: Anatomy of Human Movement	HLSC 2463U - Altered Physiology: Mechanisms of Disease II
HLSC 3800U – Critical Appraisal of Statistics in Health Science	HLSC 3480U - Principles of Fitness & Exercise Prescription
PHY 1810U - Physics for Health Science	Open Elective
Year 3 (2015 – 2016)	
Semester 1	Semester 2
HLSC 2825U – Nutrition and Health	HLSC 3020U - Health and Exercise Psychology
HLSC 3481U - Exercise Physiology	HLSC 3711U – Ethics in Kinesiology
HLSC 3410U - Human Motor Control & Learning	HLSC 4412U - Exercise Rehabilitation I: Cardiac, Respiratory and Metabolic Conditions
HLSC 3910U - Research Methods for Health Care Professionals: Theory and Application	HLSC 4482U - Advanced Exercise Prescription
HLSC 4471U - Kinesiology II: Musculoskeletal Biomechanics	Open Elective
Year 4 (2016 – 2017)	
Semester 1	Semester 2
HLSC 3805U – Introduction to Epidemiology	HLSC 4460U – Selective Topics in Physical Activity and Health
HLSC 4807U – Perspectives in Aging	HLSC 4808U – Exploring Mental Health & Developmental Disabilities
HLSC 4413U - Exercise Rehabilitation II: Integrated Case Studies	HLSC 4997U - Research Applications II OR HLSC 4999U - Research Practicum II
HLSC 4996U - Research Applications I OR HLSC 4998U - Research Practicum I	Open Elective (2000-level or higher)
Kinesiology Elective (3000- or 4000-level)	Kinesiology Elective (3000- or 4000-level)

Kinesiology Specialization – Exercise Science Option

(includes Standard, CMCC-Rehab paths)

Year 1 (2013 – 2014)

Semester 1	Semester 2
BIOL 1010U - Biology I	BIOL 1020U - Biology II
CHEM 1010U - Chemistry I	CHEM 1020U - Chemistry II
HLSC 1200U - Anatomy & Physiology I	HLSC 1201U - Anatomy & Physiology II
HLSC 1702U - Academic Writing & Presentation Skills	HLSC 1811U – Social Determinants of Health
HLSC 1810U – Health Promotion & Healthy Active Living	PSYC 1000U - Introductory Psychology

Year 2 (2014 - 2015)

Semester 1	Semester 2
HLSC 2400U - Intro to Movement Neuroscience	HLSC 2110U - Foundations in Clinical and Exercise Biochemistry
HLSC 2462U - Altered Physiology: Mechanisms of Disease I	HLSC 2401U - Human Growth and Motor Development
HLSC 3470U - Kinesiology I: Anatomy of Human Movement	HLSC 2463U - Altered Physiology: Mechanisms of Disease II
HLSC 3800U – Critical Appraisal of Statistics in Health Science	HLSC 3480U - Principles of Fitness & Exercise Prescription
PHY 1810U - Physics for Health Science	Standard: Open Elective CMCC: Open Elective

Year 3 (2015 – 2016)

Semester 1	Semester 2
HLSC 3481U - Exercise Physiology	HLSC 3020U - Health and Exercise Psychology
HLSC 3410U - Human Motor Control & Learning	HLSC 4412U - Exercise Rehabilitation I: Cardiac, Respiratory and Metabolic Conditions
HLSC 3910U - Research Methods for Health Care Professionals: Theory and Application	HLSC 4482U - Advanced Exercise Prescription
HLSC 4471U - Kinesiology II: Musculoskeletal Biomechanics	HLSC 3711U – Ethics in Kinesiology
Standard: HLSC 2825U – Nutrition and Health	Standard: Open Elective
CMCC: HLSC 4473U – Practical Human Anatomy I	CMCC: HLSC 4474U- Practical Human Anatomy II

Year 4 (2016 – 2017)

(Note: CMCC-Rehab options noted below are for students not beginning their studies at CMCC)

Semester 1	Semester 2
HLSC 4414U - Advanced Topics in Neuromuscular Physiology and Pathophysiology	Standard: Open Elective CMCC: HLSC 2825U - Nutrition and Health
HLSC 4413U - Exercise Rehabilitation II: Integrated Case Studies	HLSC 4472U - Clinical Biomechanics and Ergonomics
HLSC 4996U - Research Applications I OR HLSC 4998U - Research Practicum I	HLSC 4997U - Research Applications II OR HLSC 4999U - Research Practicum II
Health or Science Elective (2000-level or higher)	Open Elective (2000-level or higher)
Kinesiology Elective (3000- or 4000-level)	Kinesiology Elective (3000- or 4000-level)

APPROVAL DATES

Date of submission	February 2, 2013
Curriculum Committee approval	February 7, 2013
Faculty Council approval	February 12, 2013

MAJOR PROGRAM MODIFICATION – PROPOSAL BRIEF

BACHELOR OF HEALTH SCIENCES – DISCONTINUATION OF SPECIALIZATION (HIM)

Motion:

The Faculty of Health Sciences puts forward a motion to discontinue the HIM specialization in the Bachelor of Health Science program

Background:

The Bachelor of Health Science (Honours) with a specialization in Health Information Management (HM) accepted its first students in the 2005/06 academic year. Since its inception, it has continually evolved to meet the ever-changing needs associated with the fast pace of information and communication technology development. This has not only evolved at UOIT, but with the industry itself, including an extensive review with the Canadian Health Information Management Association (CHIMA) and organizations such as the Information and Communication Technology Council of Canada (ICTC) taking the lead role through the refocusing and redefinition of the profession. As part of this initiative, CHIMA has redefined the knowledge and skills HIM graduates must possess at the completion of recognized programs, such as the one at UOIT.

UOIT sequentially made the decision to keep pace with the changing HIM environment and determined that in order to do this effectively, it would suspend new enrolment into the HIM specialization of the BSc from January 2012 until August 2013.

The HIR/HIM Review Committee was established with the charge of conducting an extensive assessment. This included information from the Canadian Health Information Management Association (CHIMA), the Information and Communication Technology Council of Canada (ICTC), the Learning Outcomes for Health Information Management (LOHIM) 2010 document, the unofficial reviews and comments on skill matrices from Canadian Organization for the Advancement of Computers in Health (COACH), the Certified Professional for Health Information Management Systems (CPHIMS) handbook from Health Information Management Systems Society (HIMSS), the 2011 American Health Information Management Association (AHIMA) competency requirements matrix, two American Medical Informatics Association (AMIA) white papers on clinical informatics, the 2010-2011 National Institutes for Health Informatics (NIH) survey of health informatics and HIM programs in Canada, the 2009 Health Informatics and Health Information Management HR Report, preliminary analysis from K. Johnson, Program Coordinator – UOIT Faculty of Health Sciences, regarding professional development needs for HIM professionals, discussions from industry stakeholders at an ICTC round table regarding the e-health role descriptions attended by committee member C. McGregor, and a review of the College system in

Ontario and across Canada. It has been concluded that there is a need for a shift in training skills of HIM professionals to integrate more analytics and IT skills. Durham College does not currently offer an HIM program; therefore, for the purposes of this assessment, the committee consulted instructors of the HIM program at Fleming College.

The Review Committee recommends that the Faculty of Business and IT introduce a '2+2' bridge model. This revised degree would accept accredited HIM college diploma graduates to the 3rd year of an informatics degree. Additional areas of consideration moving forward with this model include the timing/scheduling of courses as it is highly probable that most students will want to be employed in the field while pursuing their degree. Online courses, experiential learning credits, and alternative course designs need to be assessed to better meet the needs of industry, students, and the material being covered. There is also interest in further exploration in post-graduate diplomas in the areas of analytics, health IT, and health data security.

APPROVAL DATES

Date of submission	January 31, 2013
Executive Committee approval	January 31, 2013
Faculty Council approval	February 12, 2013