Health Sciences – Public Health specialization

*2019-2020 - UG - Minor Program Adjustment

(A) Proposal summary

Home faculty*

Faculty of Health Sciences

Summary of proposed changes*

Add HLSC 4621-Program Planning, Implementation, and Evaluation in Public Health as a required course. To accommodate this: 3000/4000 Level HLSC elective will be deleted/replaced in Year 4 Sem 1 with HLSC 4621.

Remove HLSC 2400U- Introduction to Movement Neuroscience as a required course. To accommodate this deletion: Open elective from Year 4 Sem 2 will move to Year 2 Sem 1

Add HLSC 4805U- Non- communicable Diseases: Current Issues and Emerging Trends as a required course. Will be offered in Year 4 Sem 2.

Is a new course associated with this proposal?*

- (•) Yes
- ( ) No

Are you modifying a pathways program?*

- ( ) Yes
- (•) No

Effective semester*

Fall 2019

Are you attaching any supporting documents?*

- (•) Yes
- ( ) No

(B) Program information

Program or shared core name*

Health Sciences – Public Health specialization

Program type

Bachelor (Honours)

Degree type

Bachelor of Health Sciences (Honours)

Program or shared core description

Calendar copy*

General information

The Bachelor of Health Sciences (Honours) program has been designed to meet the needs of undergraduates aspiring to enter a variety of health-related careers or wishing to pursue postgraduate and professional studies.

The Bachelor of Health Sciences (Honours) is a multi-focused undergraduate degree that enables students to explore diverse aspects of healthcare delivery, health research and promoting human wellness while pursuing studies that build on their particular interests.

This degree is designed to deliver a broad-based curriculum for students to discover exciting areas of impact on human health. The program has a strong interdisciplinary focus weaving together physiological, sociological, and epidemiological perspectives on major health issues.

Successful first year students will progress within the specializations: Human Health Science Specialization or Public Health Specialization. Each option offers upper year electives that extend knowledge in core areas while also promoting critical thinking skills related to healthcare and major health issues in Canada.

Graduates are positioned to formulate questions related to human health, address technical and theoretical problems, and excel at analytical thinking.

Note: **Effective 2013-2014, students are not being admitted to the Comprehensive specialization. It is anticipated that students currently in progress in the Comprehensive specialization will continue in their current program map until completion of their degree. Program maps for the Comprehensive specialization can be found online at healthsciences.uoit.ca. Students will be allowed to take courses from the new specialization maps that are developed as electives in their current program map, where prerequisites and sequencing will allow. Special permission of the instructor will be considered in cases where exact prerequisite matches may not occur.**

Public Health specialization

Public health is a discipline that considers health from the perspective of communities, from the neighbourhood level up to national and international communities. The Public Health specialization focuses on maintaining and improving health from the perspective of disease prevention and health promotion. It will provide students with knowledge surrounding the health status of populations, inequities in health, the determinants of health and illness, strategies for health promotion, disease and injury prevention and health protection, as well as the factors that influence the delivery and use of health services. Career opportunities in Public Health include health promotion program co-ordinator, policy analyst, injury prevention specialist, occupational health and safety, environmental health, rehabilitation, public and non-profit sector administration and/or policy development.

Students may apply to the Public Health specialization at the end of their first year of studies.

Although reasonable efforts will be made to adhere to the following program map, course requirements and term offerings may change. For the most up-to-date list of course offerings, please visit the faculty website at **healthsciences.uoit.ca**.

Admission requirements

Admission is competitive. The specific average or standing required for admission varies from year to year. Students are selected by taking into consideration a wide range of criteria including school marks, distribution of subjects taken, and performance in subjects relevant to the academic program. Possession of the minimum requirements does not guarantee acceptance. Preference will be given to applicants with the best qualifications.

Current Ontario secondary school students must complete the Ontario Secondary School Diploma (OSSD) with six 4U or 4M credits including English (ENG4U) with a minimum grade of 60 per cent, Biology (SBI4U), and one of Advanced Functions (MHF4U) or Calculus and Vectors (MCV4U) or Mathematics of Data Management (MDM4U). All other applicants should refer to admissions for the requirements for their specific category of admission.

Program details and degree requirements

To be eligible for a Bachelor of Health Sciences (Honours) degree, students must successfully complete 120 credit hours. Degree and

program requirements are subject to change without notice. The following program maps are only a guide and are to be used in combination with proper advising. Students wishing to make changes to their program of study should consult their academic advisor.

Year 1

Semester 1 (15 credit hours)

[Before] Open elective

BIOL 1010U Biology I: Molecular and Cellular Systems

HLSC 1200U Anatomy and Physiology I

HLSC 1701U Information Literacy and Written Communication for the Health Sciences

HLSC 1810U Health Promotion and Healthy Active Living

Semester 2 (15 credit hours)

[Before] Open elective

BIOL 1020U Biology II: Diversity of Life and Principles of Ecology

HLSC 1201U Anatomy and Physiology II

HLSC 1811U Social Determinants of Health

PSYC 1000U Introductory Psychology

Year 2

Semester 1 (15 credit hours)

HLSC 2130U Principles of Infection Prevention and Control

HLSC 2201U Introduction to Health Information Management

~~HLSC 2400U Introduction to Movement~~ ~~Neuroscience~~

HLSC 2462U Altered Physiology: Mechanisms of Disease I

HLSC 2802U Introduction to the Canadian Healthcare System

Open Elective

Semester 2 (15 credit hours)

HLSC 2030U Interpersonal and Inter-professional Communication

HLSC 2463U Altered Physiology: Mechanisms of Disease II

HLSC 2601U Introduction to Health Services Management

HLSC 3800U Critical Appraisal of Statistics in Health Science

HLSC 3820U Public Health I

Year 3

Semester 1 (15 credit hours)

[Before] Open elective

HLSC 2825U Nutrition and Health

HLSC 3805U Introduction to Epidemiology

HLSC 3821U Public Health II

HLSC 3910U Research Methods for Health Care Professionals: Theory and Application

Semester 2 (15 credit hours)

[Before] Open elective

HLSC 3473U Prevention and Rehabilitation of Complex Chronic Conditions

HLSC 3631U Health Policy and Process

HLSC 3710U Ethics

HLSC 4803U Global Health

Year 4

Semester 1 (15 credit hours)

[Before] ~~**Two**~~ Health Sciences ~~**electives**~~ **elective** (3000- or 4000-level)

[Before] Open elective

HLSC 4621U Program Planning, Implementation and Evaluation in Public Health
HLSC 4807U Perspectives in Aging
[Before] One of:
HLSC 4996U Research Applications I
[Right] or
HLSC 4998U Research Practicum I

Semester 2 (15 credit hours)

[Before] Health Sciences elective (3000- or 4000-level)

~~**[Before]** Open elective~~

HLSC 4805U Non-communicable Diseases: Current Issues and Emerging Trends
HLSC 4808U Exploring Mental Health and Developmental Disabilities
HLSC 4851U Critical Perspectives on Health, Illness, and Healthcare
[Before] One of:
HLSC 4997U Research Applications II
[Right] or
HLSC 4999U Research Practicum II

Program learning outcomes

(C) Pathways programs

Proposed transfer credit block

(D) Detailed proposal information

Enhanced academic opportunities*

The proposed changes will prevent redundancy in content covered related to neuroscience and neurology.

With the addition of these aforementioned courses detailed above, students will have a more complete, up-to-date and relevant working knowledge base related to current major drivers of health care costs, health care burden associated with disease prevention and management, hospitalization, morbidity and mortality in Canada and globally.

It is also imperative that students take HLSC 4805U as a core course when we decide to go forward for external review and/or accreditation purposes.

Specifically, HLSC 4621U-Program Planning, Implementation and Evaluation in Public Health; HLSC 4805U-Non-communicable Diseases: Current Issues and Emerging Trends will address various critical core competencies deemed essential for all public health professionals and workers in Canada as outlined by the Public Health Agency of Canada (2007).

The addition of these courses would be in concert in what other BHSc programs in Canada are offering undergraduate students, and hence increase our ability to both attract and retain students.

Financial / resource implications*

None

Enrolment implications*

May help to both retain and attract students to the BHSc (Public Health specialization) programs at UOIT, as a consequence of more relevant, current and needed courses that better reflects the driving forces of health care systems in Canada and globally.

Transition plan*

Should only affect new students enrolling in Fall, 2019 and going forward.

Additional supporting information, if applicable

(E) Impact and consultation

Does this change include any indigenous content?*

○ Yes ◉ No

We have consulted with all

◉ Yes ○ N/A

impacted areas*	
Consultation*	Program and Faculty level

HLSC - 4621U - Program Planning, Implementation and Evaluation in Public Health

***2019-2020 - UG - New Course**

(A) Proposal summary

Home faculty* Faculty of Health Sciences

This new course is associated with the following:*
- (•) A Minor Program Adjustment
- ( ) A Major Program Modification
- ( ) A New Program
- ( ) None of the above

Will this new course appear anywhere other than the course description section of the calendar?* (•) Yes ( ) No

Program(s) impacted* BHSc Public Health Specialization

Effective semester* Fall 2019

Are you attaching any supporting documents?* (•) Yes ( ) No

(B) Course information

Course subject code* HLSC

Course number* 4621U

Course title (long form)* Program Planning, Implementation and Evaluation in Public Health

Subject area* Health Science

Course description* In all health care organizations and systems in Canada and globally, critical decisions have to made as to how resources, budgets, health care personnel and technologies will be employed to address a variety of current and emerging

health challenges across the lifespan. Formal program planning, implementation and evaluation are critical to justify a change in health policy or legislation; evaluate access to and the quality of various health care services and programs, monitor and determine current and emerging health needs, and to determine the efficiency and cost-benefit of a given program to name but a few. This course provides the student with the necessary theory, skills and proficiencies to engage in these critical processes, which are major activities of all public health professionals and workers. Students will learn about a variety of planning strategies including strategic or allocative planning and operational or activity planning, and how to conduct a needs assessment.

Credit hours*	3
Lecture hours	3
Lab hours	
Tutorial hours	
Other hours	
Cross-listing(s)	
Prerequisite(s)	HLSC 3821U Public Health II
Prerequisite(s) for Banner	
Corequisite(s)	
Prerequisite(s) with concurrency	
Credit restriction(s)	
Is the credit restriction an equivalent course?	
Recommended	
Course restrictions	
Course type*	☑ Core ☐ Elective
Is the course undergraduate or professional?*	☑ Undergraduate ☐ Professional
Grade mode*	◉ N (normal alpha grades) ○ P (pass/fail grade)
CLS (in-class delivery)*	◉ Yes ○ No
HYB (in-class and online delivery)*	◉ Yes ○ No
	OFF (off-site)* ○ Yes ◉ No

IND (individual studies)*	○ Yes ◉ No		
WB1 (virtual meet time - synchronous)*	○ Yes ◉ No	**WEB (fully online - asynchronous)***	◉ Yes ○ No
N/A (not applicable)*	○ Yes ◉ No		

Teaching and assessment methods*

Teaching will involve both traditional classroom lectures, discussions and debates and/or online forums to cover key issues and concepts.

4 critical thinking and problem solving case studies

Classroom and/or on-line participation in discussions and debates

Midterm I

Midterm II

Public Health Program Development Project (written brief)

Final exam

Course learning outcomes*

Explain the importance of evidence-informed decision making and theory for the process of program planning, implementation and evaluation by public health professionals and workers;

Recognize and describe the importance of including key stakeholders in program planning and evaluation processes;

Discuss the growing importance and use of web-based technologies and platforms to plan for, develop, implement and evaluate a variety of primary health care programs and initiatives in Canada;

Define, differentiate and employ the terms program planning, strategic (allocative) planning, operational (activity) planning, program evaluation, formative evaluation, process evaluation and summative evaluation;

Describe and employ program logic models to assess the impact of public health programs in Canada,

List and discuss ethical considerations and principles related to program planning, implementation and evaluation for a variety of public health professionals and workers.

(C) Impact and consultation

Does this course contain any ○ Yes ◉ No

indigenous content?*	
We have consulted with all impacted areas*	(•) Yes ( ) N/A
Consultation*	Program level

(D) Financial implications

Financial implications*	None