FACULTY OF HEALTH SCIENCES

SESSIONAL INSTRUCTORS – SUMMER 2019

The Faculty of Health Sciences requires Sessional Instructors to teach the following courses during the Summer Term 2019. The duration of employment will be May 6 to August 22, 2019 inclusive.

<table>
<thead>
<tr>
<th>COURSE # &amp; CAMPUS</th>
<th>COURSE TITLE</th>
<th>LECTURE/SEMINAR TIME/LOCATION</th>
<th>CLOSING DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSCI 305-3</td>
<td>The Canadian Health System</td>
<td>Monday 12:30 – 2:20 pm</td>
<td>February 12, 2019</td>
</tr>
<tr>
<td>HSCI 338-3</td>
<td>Animal Virology</td>
<td>Monday 9:30 – 12:30 pm</td>
<td>February 12, 2019</td>
</tr>
<tr>
<td>HSCI 431-3</td>
<td>The Global HIV/AIDS Epidemic</td>
<td>Thursday 8:30 – 11:20 pm</td>
<td>February 12, 2019</td>
</tr>
<tr>
<td>HSCI 440-4</td>
<td>Cell Pathophysiology Laboratory</td>
<td>Thursday 1:30 – 5:20 pm</td>
<td>February 12, 2019</td>
</tr>
<tr>
<td>HSCI 826-3 (Vancouver)</td>
<td>Program Planning and Evaluation</td>
<td>Monday 4:30 – 7:20 pm; Wednesday 4:30 – 7:20 pm</td>
<td>February 12, 2019</td>
</tr>
</tbody>
</table>

Recommended Qualifications:
• Doctoral degree

Minimum Qualifications:
• Graduate degree in a related field with demonstrated expertise in the content areas covered by the course, as identified in the Calendar description and sample course outline
• Experience teaching university-level courses
• Evidence of teaching ability commensurate with the responsibility of teaching the assigned credit course and of carrying out the duties to the effective conduct of that course.

Course Calendar descriptions can be found here:  
https://www.sfu.ca/students/calendar/2019/spring/courses/hsci.html

Sample course outlines are shown on the pages following this ad.
Interested applicants should send, by the closing date shown above, one PDF document containing (1) a covering letter and (2) a CV to:

Sessional Applications
c/o Dr. Nicole Berry, Associate Dean, Education
Faculty of Health Sciences, Simon Fraser University
Blusson Hall 11320, 8888 University Drive
Burnaby, BC V5A 1S6 Email: fhs_sessional@sfu.ca

In the body of your email, copy and paste the following questions and send with your response:

1) Do you currently work for, or have you worked in the past for, Simon Fraser University? (Response: Yes or No). If yes, please provide your SFU ID number (Student or Employee number) if known.

2) Are you legally entitled to work in Canada? (Response: Yes or No).

3) If you are currently on a work or study permit, please indicate expiry date and all conditions associated with your permit, if applicable.

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. Simon Fraser University is committed to employment equity and welcomes applications from all qualified women and men, including visible minorities, Aboriginal people, persons with disabilities, and LGBTQ-identified persons.

Salary and conditions are determined by the TSSU Collective Bargaining Agreement.

Course offerings are subject to budgetary approval and enrolment figures.

The information submitted with your application is collected under the authority of the University Act (R.S.B.C. 1996, c.468, s. 27(4)(a)), applicable federal and provincial employment regulations and requirements, the University's non-academic employment policies and applicable collective agreements.

The information is related directly to and needed by the University to initiate the employment application process. The information will be used to contact references supplied by you, evaluate your qualifications and complete the employment process by making a hiring decision.

If you have any questions about the collection and use of this information please contact the Executive Director, Human Resources, Simon Fraser University, Burnaby, BC V5A 1S6, telephone 778-782-3237.
FACULTY OF HEALTH SCIENCES
HSCI 305 (3) The Canadian Health System

PREREQUISITES
60 units, including nine HSCI units.

CALENDAR DESCRIPTION
A comparative analysis of the Canadian health care financing and delivery systems and policies. History, organizational principles, health care resources, costs, access to care, quality, and equity. Societal and political issues, threats and values that affect Canada's health care system and others around the world.

COURSE DETAILS
We will examine historic events and values that have shaped the development of health care systems in Canada. We will discuss arrangements for financing and delivery of health care and management of health human resources. We will consider the role of the courts and the impact of trade agreements in health policy. Throughout the course, we will explore current policy debates, including coverage for pharmaceuticals, primary care reform, privatization, and management of wait lists. Finally, we will compare Canada’s health care system to those in other countries. Given that health services research and government policies are constantly changing, the instructor may add other topics to reflect recent developments.

COURSE-LEVEL EDUCATIONAL GOALS
Competencies for BA and BSc programs in this course include:
- Health services and health policy (primary)
- Health systems and critical thinking (reinforcing)

GRADING
- Assignment 1 10%
- Assignment 2 15%
- Assignment 3 15%
- Mid-term exam 20%
- Final exam 30%
- Participation 10%

NOTES
Instructor may make changes to the syllabus within Faculty/University regulations.

MATERIALS + SUPPLIES
i-Clicker

REQUIRED READING
FACULTY OF HEALTH SCIENCES

HSCI 338 (3) Animal Virology

PREREQUISITES
MBB 222, or permission of the instructor. Corequisite: BISC 303.

CALENDAR DESCRIPTION
Animal virology in the context of viral diseases in humans and animals. Animal viruses, their replication, virus-host interactions and viral diseases.

COURSE DETAILS
This course is an introductory lecture course for virology focused on animal viruses (no discussion on plant virus and bacteriophages). It covers basic concepts and topics in the context of viral diseases in human and animals. Specifically, virus structure, replication, virus-host interactions and a few viral diseases will be discussed. Prior knowledge in microbiology, molecular biology, biochemistry and immunology will help. This course is a vital prerequisite for Virology Laboratory (HSCI 441) that will be offered in 2019 spring.

COURSE-LEVEL EDUCATIONAL GOALS
1. Define and discuss technical terms and concepts used in the field of animal virology and viral infectious diseases.
2. Comprehend different viruses in their replication in the host, transmission, infection cycle and host interaction.
3. Explain the advantages and disadvantages of several experimental approaches used in modern and classical virology.
4. Discuss some current issues related to virology and viral diseases in scientific ways from virological angle.

GRADING
- Class participation 10%
- Midterms (x2, 20 % each) 40%
- Final Exam 50%

NOTES
There will be one 3-hour class each week that will include lectures and discussion.

REQUIREMENTS
MBB 222, BISC 303 (co-requisite) or permission of the instructor.

REQUIRED READING

RECOMMENDED READING
This book is a canonical reference book for animal (mostly human) viruses that causes diseases. ISBN: 9781469874227 EBOOK
FACULTY OF HEALTH SCIENCES
HSCI 431 (3) The Global HIV/AIDS Epidemic

PREREQUISITES
60 units including either HSCI 212 or 330.

CALENDAR DESCRIPTION
A multidisciplinary and international focus on the transmission, impact, prevention, and human aspects of the global HIV/AIDS epidemic.

COURSE DETAILS
This course is designed to provide students with an overview of critical biological, social, and structural health issues related to the global HIV/AIDS epidemic. Topics covered include an introduction to virology, pathology, epidemiology, social justice, and a critical review of major challenges and successes in HIV prevention and treatment.

Each weekly 3-hour class will include, but are not limited to, a variation of lectures, guest lectures, student-led presentations, activities, and multi-media presentations. Active participation in class is expected. Canvas will be the online platform where syllabus and other course materials will be shared.

COURSE-LEVEL EDUCATIONAL GOALS
1. Comprehend and understand HIV virology, immunology, origin of disease, natural history, and epidemiology.
2. To be able to describe components of current HIV prevention, treatment, and care initiatives
3. To understand how complex, intersecting inequities contribute to the global HIV/AIDS epidemic
4. To be able to critically review, interpret, and summarize peer-reviewed literature in HIV/AIDS

GRADING
- Online participation 20%
- Country presentation 10%
- HIV prevention project 25%
- Quiz 15%
- Exam 30%

MATERIALS + SUPPLIES
There is no required textbook for this course. A list of open access journal articles will be assigned to read each week for class.
PREREQUISITES
MBB 308 and HSCI 321, or permission from instructor.

CALENDAR DESCRIPTION
A review of pathophysiological mechanisms of disease with an emphasis on the molecular, cellular and genetic bases of pathology. Laboratory includes cell-biology experiments, histological preparations, and microscopic examination of normal and diseased tissues.

COURSE DETAILS
This course will provide students with hands-on experience in techniques in molecular biology, biochemistry and cell biology to investigate mechanisms involved in cellular pathophysiology. Topics will include cell growth, apoptosis, cell differentiation and cell migration.

COURSE-LEVEL EDUCATIONAL GOALS
The objectives of this course are to provide students with knowledge in research techniques that can be used to investigate topics in cell biology as it relates to biological mechanisms governing disease pathogenesis in humans. At the end of this course students are expected to be able to discuss the basis for normal and pathological states at the molecular, cellular and tissue level.

GRADING
- Lab reports 50%
- Tests 30%
- Quiz 12%
- Participation 8%

NOTES
Students must bring their own lab coat to each class. The professor may make changes to the syllabus if necessary, within Faculty / University regulations. This course is offered in lecture/lab/demonstration format. Notes from class presentations will be provided as PowerPoint presentations. Some assignments, readings and articles will be available from Canvas.

REQUIRED READING
No required textbook for this course. A course handbook will be distributed in the first class.
**FACULTY OF HEALTH SCIENCES**

HSCI 826 (3) Program Planning and Evaluation

**PREREQUISITES**
Admission to the graduate program or permission of the instructor.

**CALENDAR DESCRIPTION**
Practical approaches to health needs assessment, needs prioritization, health program planning, and health program evaluation in low-to-middle income countries and/or resource-poor settings. Gender-based analyses are emphasized throughout. A case study approach.

**COURSE DETAILS**
This course will introduce students to program planning and evaluation in public health. Topics will include health program planning models, building logic models, developing evaluation plans (including developing evaluation questions, selecting appropriate methods and data collection strategies, and reporting evaluation findings and making recommendations). By the end of the course, students will be able to describe a variety of approaches and tools used in program planning and evaluation and will have gained practical experience in developing an evaluation plan.

**COURSE-LEVEL EDUCATIONAL GOALS**
The goal of this course is to provide students with an overview of public health program planning and evaluation.

By the end of this course, students will be able to:
- Describe the basic elements of program planning and evaluation in Public Health.
- Identify different types of evaluations and be able to justify when and why to use them for evaluating public health interventions.
- Compare different evaluation approaches and theories.
- Develop an evaluation plan for a real public health program
- Discuss a range of qualitative and quantitative methods as used in program evaluation
- Practice a variety of approaches to sharing evaluation results and facilitating the use evaluation findings

**GRADING**
- Creating a logic model 30%
- Group evaluation proposal 50%
- aea365 blog presentation 10%
- Participation 10%

**MATERIALS + SUPPLIES**
There is no required textbook for this course. A package of course notes will be available on Canvas. Readings are listed in the course schedule in the syllabus (subject to change) and others may be assigned during the course.