

**APPLIED SCIENCE AND MANAGEMENT DIVISION**

**ENVS 226**

**Environmental Change and Community Health**

**3 Credits**

**Winter, 2021**

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## **COURSE OUTLINE**

**ENVS 226**

**ENVIRONMENTAL CHANGE AND COMMUNITY HEALTH**

**3 CREDITS**

PREPARED BY: Larry Gray, Instructor

DATE: November 13, 2020

APPROVED BY: Joel Cubley, Chair, School of Science

DATE: November 13, 2020



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## ENVIRONMENTAL CHANGE AND COMMUNITY HEALTH

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<b>INSTRUCTOR:</b>	Larry Gray	<b>OFFICE HOURS:</b>	By appointment
<b>OFFICE LOCATION:</b>	A2303	<b>CLASSROOM:</b>	Zoom
<b>E-MAIL:</b>	lgray@yukonu.ca	<b>TIME:</b>	Thursdays, 1:00-2:30 pm.
<b>TELEPHONE:</b>	(867) 456-8607	<b>DATES:</b>	January 5- April 20, 2021

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### COURSE DESCRIPTION

This course (developed in collaboration with Canada's Northern Contaminants Program and Trent University) is complementary to ENVS 040/ENVS 225 Environmental Change and Fish & Wildlife Health. It covers some of the same material in less depth but focuses more on the impacts of environmental changes such as environmental contaminants and climate change on human health. The course is relevant for all northerners, but particularly those interested in working in the health field. The importance of traditional food to the health of northerners, alternative models of health and wellness, and traditional versus modern diets are all discussed in light of the latest research results on contaminants and other environmental issues in the north. The new field of functional medicine is explored and interwoven with congruent ideas drawn from indigenous wisdom.

### PREREQUISITES

None

### RELATED COURSE REQUIREMENTS

Students must have a PC, laptop or cell phone with internet connectivity for Zoom classes.

### EQUIVALENCY OR TRANSFERABILITY

In progress.

## **LEARNING OUTCOMES**

Upon successful completion of the course, students will be able to:

- a. Recognize and appreciate the geographic and global scope of environmental changes, particularly, long-range contaminants, climate change and loss of biodiversity.
- b. Understand the holistic connections (spiritual, mental, physical and emotional) between the land and human health.
- c. Identify the traditional foods and fish and wildlife species that are consumed in the north and in the Yukon.
- d. Define what it means to be a healthy person and a healthy community.
- e. Identify community health issues in the student's home community.
- f. Understand functional medicine.

## **COURSE FORMAT**

This course is designed for distance delivery. There will be one 1.5-hour videoconference each week and a course website, including a discussion forum and links to other information sources.

## **ASSESSMENTS:**

Attendance at all videoconference sessions is mandatory. Unexcused absences in excess of 10% of scheduled activities may result in withdrawal at the instructor's discretion.

**EVALUATION:**

<b>ASSIGNMENTS</b>	<b>PERCENTAGE (%)</b>
Journal	45%
Advocacy Paper, Presentation & Poster	45%
Participation	10%
NO MIDTERM EXAM	NO FINAL EXAM
<b>TOTAL</b>	<b>100%</b>

**REQUIRED TEXTBOOKS AND MATERIAL**

None

**ACADEMIC AND STUDENT CONDUCT**

Information on academic standing and student rights and responsibilities can be found in the current Academic Regulations that are posted on the Student Services/ Admissions & Registration web page.

**PLAGIARISM**

Plagiarism is a serious academic offence. Plagiarism occurs when a student submits work for credit that includes the words, ideas, or data of others, without citing the source from which the material is taken. Plagiarism can be the deliberate use of a whole piece of work, but more frequently it occurs when students fail to acknowledge and document sources from which they have taken material according to an accepted manuscript style (e.g., APA, CSE, MLA, etc.). Students may use sources which are public domain or licensed under Creative Commons; however, academic documentation standards must still be followed. Except with explicit permission of the instructor, resubmitting work which has previously received credit

is also considered plagiarism. Students who plagiarize material for assignments will receive a mark of zero (F) on the assignment and may fail the course. Plagiarism may also result in dismissal from a program of study or the University.

### **YUKON FIRST NATIONS CORE COMPETENCY**

Yukon University recognizes that a greater understanding and awareness of Yukon First Nations history, culture and journey towards self-determination will help to build positive relationships among all Yukon citizens. As a result, to graduate from ANY Yukon University program, you will be required to achieve core competency in knowledge of Yukon First Nations. For details, please see [www.yukonu.ca/yfnccr](http://www.yukonu.ca/yfnccr).

### **ACADEMIC ACCOMMODATION**

Reasonable accommodations are available for students requiring an academic accommodation to fully participate in this class. These accommodations are available for students with a documented disability, chronic condition or any other grounds specified in section 8.0 of the Yukon University Academic Regulations (available on the Yukon University website). It is the student's responsibility to seek these accommodations. If a student requires an academic accommodation, they should contact the Learning Assistance Centre (LAC): [lac@yukonu.ca](mailto:lac@yukonu.ca).

**TOPIC OUTLINE**

<b>Date Zoom Class</b>	<b>Topic</b>
January 7	Course Introduction
January 14	What is Health? What is a Healthy Community
January 21	Traditional foods and their importance to northern cultures
January 28	Indigenous Food Systems and Modern Food Systems
February 4	Contaminants & Human Health
February 11	Core Concepts and Principles of Community Health
February 18	Core Concepts and Principles of Community Health
<b>February 25</b>	<b>READING WEEK NO CLASS ☹</b>
March 4	Core Concepts and Principles of Community Health
March 11	Core Concepts and Principles of Community Health
March 18	Core Concepts and Principles of Community Health
March 25	Climate Change and Health Food Security
April 1	Climate Change and Health Food Security (cont'd)
April 8	Course Summary & Review