

APPLIED SCIENCE AND MANAGEMENT  
ENVS 051 and 226  
Credit Course  
Winter 2020



## COURSE OUTLINE

ENVS 051 AND ENVS 226

ENVIRONMENTAL CHANGE AND COMMUNITY HEALTH

3 CREDITS

PREPARED BY: Larry Gray, Instructor  
DATE: January 3, 2020

APPROVED BY: Stephen Mooney, Dean  
DATE: January 10, 2020

APPROVED BY ACADEMIC COUNCIL: Click or tap to enter a date  
RENEWED BY ACADEMIC COUNCIL: Click or tap to enter a date



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## ENVS 051 AND ENVS 226 ENVIRONMENTAL CHANGE & COMMUNITY HEALTH

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<b>INSTRUCTOR:</b> Larry Gray	<b>OFFICE HOURS:</b> Mon, Wed: 1-2:30 pm.
<b>OFFICE LOCATION:</b> A2303	<b>CLASSROOM:</b> A2601
<b>E-MAIL:</b> lgray@yukoncollege.yk.ca	<b>TIME:</b> T, Th. 1:00-2:30
<b>TELEPHONE:</b> 867-456-8607	<b>DATES:</b> Jan. 7-April 16

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### **COURSE DESCRIPTION**

This course (developed in collaboration with Canada's Northern Contaminants Program and Trent University) is complementary to ENVS 040z/ENVS 225z 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**

#### **Attendance and Participation**

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

### **EQUIVALENCY OR TRANSFERABILITY**

This course is new/newly developed/recently re-developed, and its transferability is still being evaluated. Receiving institutions always determine course transferability. Further information and assistance with transfers may be available from the School of X.

## 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

Two lectures per week, films, guest speakers, podcasts, practical activities.

## ASSESSMENTS:

Students will keep an ongoing journal and undertake a major research project.

## EVALUATION:

ENVS 051		ENVS 226	
Journal	45%	Journal	45%
Poster	45%	Paper, Poster, Presentation	45%
Participation	10%	Participation	10%
TOTAL	100%	TOTAL	100%

## REQUIRED TEXTBOOKS AND MATERIAL

There is no textbook. The instructor will provide course materials.

## 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 College.

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

Yukon College 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 College program, you will be required to achieve core competency in knowledge of Yukon First Nations. For details, please see [www.yukoncollege.yk.ca/yfnccr](http://www.yukoncollege.yk.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 College Academic Regulations (available on the Yukon College website). It is the student's responsibility to seek these accommodations. If a student requires an academic accommodation, he/she should contact **the Learning Assistance Centre (LAC): [lac@yukoncollege.yk.ca](mailto:lac@yukoncollege.yk.ca)**.

**TOPIC OUTLINE**

Date	Topic
January 7, 9	Course Introduction What is Health? What is a Healthy Community? Models of Health
January 14, 16	Traditional foods and medicine and their importance to northern cultures
January 21, 23	Indigenous Food Systems and Modern Food Systems
January 28, 30	Contaminants & Human Health
February 4, 6	Core Concepts and Principles of Community Health
February 11, 13	Core Concepts and Principles of Community Health
February 18, 20	Core Concepts and Principles of Community Health
February 25, 27	Core Concepts and Principles of Community Health
March 3, 5	Core Concepts and Principles of Community Health
March 12, 14	Core Concepts and Principles of Community Health
March 17, 19	READING WEEK NO CLASS ☹
March 24, 26	Climate Change and Health Food Security (cont'd)
March 31, April 2	Developing a Community Health Education Plan: What does a healthy community look like?
April 7	Course Summary & Review