

SAMPLE COURSE OUTLINE**Course Code, Number, and Title:**

HSCI 1130: Foundations of Health Science

Course Format:

[Course format may vary by instructor. The typical course format would be:]

Lecture 3 h + Seminar 1 h + Lab 0 h

Credits: 3

Transfer credit: For information, visit bctransferguide.ca

Course Description, Prerequisites, Corequisites:

Students explore foundational issues in health science. Topics include definitions and concepts of health, illness, and disease, and an introduction to research methods that are used to study the distribution and determinants of illness and disease in human populations. The influence of demographic, genetic, biological, environmental, socio-economic, behavioural, and political factors in the determination of human health are investigated. Ethical issues and moral considerations that inform health care research, allocation of health care resources, and clinical care are emphasized.

Prerequisite(s): Within the last three years, a minimum "C" grade in one of Principles of Math 11, Foundations of Math 11, Foundations of Math 12, Applications of Math 12, Precalculus 11, or Precalculus 12; or one of MATH 1150, 1152, 1153, 1170, 1171, 1173, or 1174 (MATH courses may be taken concurrently); or MDT 60; or permission of the Health Sciences Chair; AND one of the following: LET 3 (or LPI equivalent), IELTS 6.5, with a minimum of 6.0 in each band; minimum "C+" grade in one of English 12 or English Literature 12 or English First Peoples 12; minimum "C" grade in one of ENGL 1120, ENGL 1127, ENGL 1128, CMNS 1115, or CMNS 1118; "S" grade in one of ENGL 1107, 1108, or 1110; or one of HSCI 1120, 1140, 1160 or 1180.

Learning Outcomes:

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

- describe the concepts of health, illness and disease from a variety of perspectives
- define basic terminology associated with the scientific study of health
- describe research methods used to study health, illness and disease in human populations
- explain how a variety of factors (e.g. demographic, genetic, biological, environmental, socioeconomic, behavioural and political factors) may act as potential determinants of health in individuals and populations
- critically reflect on the manner in which sociocultural contexts and ethical values influence definitions, theoretical understandings, research strategies and solutions to problems involving health, illness and disease

snəwəyət̚ leləm̚ Langara College acknowledges that we are located on the unceded territory of the Musqueam people.

Instructor(s): TBA

Office: TBA **Phone:** 604 323 XXXX **Email:** TBA

Office Hours: TBA

Textbook and Course Materials:

[Textbook selection may vary by instructor. An example of texts and course materials for this course might be:]

For textbook information, visit https://mycampusstore.langara.bc.ca/buy_courselisting.asp?selTerm=3|8

Note: This course may use an electronic (online) instructional resource that is located outside of Canada for mandatory graded class work. You may be required to enter personal information, such as your name and email address, to log in to this resource. This means that your personal information could be stored on servers located outside of Canada and may be accessed by U.S. authorities, subject to federal laws. Where possible, you may log in with an email pseudonym as long as you provide the pseudonym to me so I can identify you when reviewing your class work.

Assessments and Weighting:

Final Exam 35%

Other Assessments %

(An example of other assessments might be:) %

Midterm Exams: 25%

Assignments: 20%

Project: 10%

Participation: 10%

Number of assignments: 5

Participation format: Lecture attendance/participation

Proportion of individual and group work:

Individual: 100%

Grading System: Letter grade

Specific grading schemes will be detailed in each course section outline.

Passing grade: 50%

This generic outline is for planning purposes only.

Topics Covered:

[Topics covered may vary by instructor. An example of topics covered might be:]

Wee k	Lecture #	Topic(s)	Department(s) Involved with Instruction
1	1	Introduction to course	Mathematics and Statistics Nursing Philosophy
1	2	Definitions of health, illness, and disease	Nursing
2	3	Determinants of health	Nursing
2	4	General overview of Canadian health care system Ethics and the law	Nursing Philosophy
3	5	Regulations for health research in Canada	Philosophy
3	6	Ethics Film – Miss Evers’ Boys Tuskegee Study of Untreated Black Men With Syphilis	Philosophy
4	7	Approach and evolution of epidemiology	Mathematics and Statistics
4	8	Measures of disease frequency	Mathematics and Statistics
5	9	Comparing disease frequencies	Mathematics and Statistics
5	10	Sources of Data Descriptive epidemiology	Mathematics and Statistics
6	11	Crude, Specific, and adjusted rates	Mathematics and Statistics
6	12	Review	Mathematics and Statistics Nursing Philosophy
7		Mid-term Test	
7	13	Overview of study designs	Mathematics and Statistics
8	14	Experimental studies	Mathematics and Statistics
8	15	Observational studies	Mathematics and Statistics
9	16	Bias, Confounding, Random Error, Effect Measure Modification	Mathematics and Statistics
9	17	Epidemiology: HIV/AIDS Case studies	Mathematics and Statistics
10	18	First Nations Health	Mathematics and Statistics <i>Guest Speaker TBA</i>
10	19	Screening Programs	Nursing Mathematics and Statistics
11	20	Global health issues	Nursing
11	21	Health care and policy Health economics	Nursing Philosophy
12	22	How to critique a study Causation and Causal Inference	Mathematics and Statistics Philosophy
12	23	Health care and the media	Nursing

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			Philosophy
13	24	Ethics – Class Discussion	Philosophy
13	25	Course Review	Mathematics and Statistics Nursing Philosophy

As a student at Langara, you are responsible for familiarizing yourself and complying with the following policies:

College Policies:

[E1003 - Student Code of Conduct](#)

[F1004 - Code of Academic Conduct](#)

[E2008 - Academic Standing - Academic Probation and Academic Suspension](#)

[E2006 - Appeal of Final Grade](#)

[F1002 - Concerns about Instruction](#)

[E2011 - Withdrawal from Courses](#)

Departmental/Course Policies:

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