

# PUBLIC HEALTH (PBH)

## Courses in public health (PBH) offered by the Faculty of Medicine

### PBH 5101 Population Perspectives in Public Health (3 units)

An overview of the history, and philosophical underpinnings of population and public health including an exploration of the determinants of health, health inequities in Canada, major public health threats in Canada and internationally, and the role of public health in addressing these.

Health inequities are explored in the context of: Indigenous and Inuit populations, gender, race, languages and modes of communication, SES.

**Course Component:** Lecture

### PBH 5102 Core Functions in Public Health (3 units)

A theoretical overview of the core functions of public health in the Canadian context including: population health assessment; public health surveillance; public health policy; program development, implementation and evaluation.

**Course Component:** Lecture

### PBH 5103 Public Health Protection (3 units)

An overview of disease and injury prevention; health promotion; health protection and public health emergency preparedness. Topics in environmental health sciences including the principles of exposure assessment and toxicology. Introduction to communicable disease surveillance, prevention and outbreak management, and the practical application of health protection methods including ensuring the safety and quality of water, food and air. Principles of risk assessment and risk communication.

**Course Component:** Lecture

### PBH 5104 Professional Skills in Public Health and Policy

Seminar on individual professional skills development. Topics will include ethics in public health practice; advocacy, effective oral and written communication, self-assessment, tailoring messages to specific audiences; collaboration; media training, interviewing skills, change management, conflict management, leadership, and cultural sensitivity and competence.

**Course Component:** Seminar

### PBH 51041 Professional Skills in Public Health and Policy (Part 1 of 2)

Seminar on individual professional skills development. Topics will include ethics in public health practice; advocacy, effective oral and written communication, self-assessment, tailoring messages to specific audiences; collaboration; media training, interviewing skills, change management, conflict management, leadership, and cultural sensitivity and competence. (Part 1 of 2)

**Course Component:** Seminar

### PBH 51042 Professional Skills in Public Health and Policy (Part 2 of 2)

Seminar on individual professional skills development. Topics will include ethics in public health practice; advocacy, effective oral and written communication, self-assessment, tailoring messages to specific audiences; collaboration; media training, interviewing skills, change management, conflict management, leadership, and cultural sensitivity and competence. (Part 2 of 2)

**Course Component:** Seminar

Prerequisite: PBH 51041

### PBH 5105 Applied Public Health Capstone Project (3 units)

Students will each be given a case study so that they can demonstrate their ability to integrate, synthesize, and apply knowledge and competencies gained during their coursework and practicum.

**Course Component:** Lecture

### PBH 5106 Applied Research Methods in Public Health (3 units)

The purpose of this course is to expose students to applied public health research, and learn how to apply core epidemiological concepts to the critical review and interpretation of findings from public health research. The course content will focus on quantitative and qualitative study designs frequently used in public health research, using applied examples from the literature.

**Course Component:** Lecture

### PBH 5107 Biostatistics for Public Health (3 units)

An introduction to concepts and methods of statistics used in public health. Topics include descriptive statistics, basic probability theory, estimation of parameters, testing of hypotheses by parametric and non-parametric methods, analysis of variance, introduction to linear and logistic regression models and to survival analysis. Theoretical teaching is applied in discussion group activities focused on understanding statistical analyses.

**Course Component:** Lecture

Courses EPI 5242 and PBH 5107 cannot be combined for units.

### PBH 5301 Public Health Practicum (9 units)

A 420-hour practicum to learn how to apply public health knowledge and skills.

**Course Component:** Work Term