POPULATION HEALTH
RISK ASSESSMENT AND
MANAGEMENT (PHR)

PHR 5181 Population Health Risk Assessment I (3 units)
National and international policy frameworks for health risk assessment
and management, including determinants of population health;
epidemiological, clinical, and toxicological methods for identifying health
hazards; population health surveillance; methods of population health
risk assessment; regulatory, economic, advisory, and technological
approaches to population health risk management; community action
and social marketing; selection of risk management strategies; risk
perception and risk communication. Lectures and case studies.
Preparation of term paper on a current issue in population health risk
assessment. Courses EPI 5181, PHR 5181 cannot be combined for units.
Course Component: Lecture
Exclusion: EPI 5181.

PHR 6101 Risk Management in Government (3 units)
Study of risk management frameworks, guidelines and principles
for decision makers; review of ethical grounding and risk evaluation
techniques and follow-up. Written report to be submitted by the student
on a current risk management project.
Course Component: Lecture
Prerequisite: Permission of instructor.

PHR 6182 Population Health Risk Assessment II (3 units)
Scientific methods for population health risk assessment;
characterization of population health risks, and attendant uncertainties;
risk modeling; combining risk information from different sources; risk
acceptability; principles of risk management decision making; evidence-
based risk management policy development; audit and evaluation of risk
interventions; priority setting; case studies on current population health
risk assessment issues. Term paper on a current methodological issue in
population health risk assessment required.
Course Component: Lecture
Prerequisite: PHR 5181. PHI 6182 and EPI 6182 cannot be combined for
units.

PHR 6900 Études dirigées en évaluation du risque en santé des
populations / Directed Studies in Population Health Risk Assessment (3
crédits / 3 units)
Recherche et rédaction d’un travail sur un sujet lié à l’évaluation du risque
en santé des populations, tel que le risque ayant trait à l’environnement,
aux facteurs sociaux, à la génétique et au système de soins de santé, le
tout sous la direction d’un professeur membre de la faculté. Le sujet doit
être approuvé par le directeur de programme. Noté S (satisfaisant) ou NS
(non satisfaisant). / Opportunity to conduct research and write a paper on
a current topic in population health risk assessment, including risk issues
related to the environment, social factors, genetics or the health system,
under the direction of a faculty member. Topic must be approved by the
Program Director. Graded S (Satisfactory) / NS (Not satisfactory).
Volet / Course Component: Cours magistral / Lecture
PHR 6900 and PHR 6910 cannot be combined for credits. / PHR 6900
and PHR 6910 cannot be combined for credits.

PHR 6910 Stage en évaluation et gestion du risque en santé des
populations / Practicum in Population Health Risk Assessment and
Management (3 crédits / 3 units)
Volet / Course Component: Stage / Work Term
Prerequisites: EPI 5181. Courses PHR 6910 and PHR 6900 cannot be
combined for units. / Prerequisites: EPI 5181. Courses PHR 6910 and
PHR 6900 cannot be combined for units.