

PHARMACY (PHRM)

PHRM 7080 Biopharmaceutics and Relevant Pharmacokinetics 3 cr
Lecture course on biopharmaceutics with particular emphasis on the application of pharmacokinetic principles in the design of conventional and sustained-release drug dosage forms, assessment of drug bioavailability, and selection of dosage regimens.

PHRM 7102 Pharmacoepidemiology 3 cr
This course will enable students to develop expertise in study designs applicable to pharmacoepidemiology. Sources of data, including automated databases, analytical methodologies and special issues in pharmacoepidemiology will be discussed.

PHRM 7120 Medical and Scientific Writing 3 cr
Lectures and exercises on the preparation of medical and scientific manuscripts, including papers for publication or oral presentation, progress reports, reviews, short papers, grant applications and similar projects.

PHRM 7130 Novel Drug Delivery Systems 3 cr
Advanced course dealing with the role of drugs and drug products in the treatment of disease with emphasis on pharmaceuticals and physical pharmacy. Current and future status of drug delivery systems, their design and evaluation will also be examined.

PHRM 7150 Pharmaceutical Economics and Policy 3 cr
This course will introduce students to key concepts in pharmacoconomics. Students will learn about the role of pharmacoconomics in drug pricing and reimbursement decisions in Canada. Topics covered will include the economics of the pharmaceutical sector, cost-effectiveness analyses and budget impact analyses. The course will also provide hands-on training in building and analyzing decision analytic models for cost effectiveness analysis. Prior knowledge in economics, statistics or epidemiology is desirable but not mandatory. Students not enrolled within the College of Pharmacy will require prior approval by the instructor.

PHRM 7160 Pharmacy Seminar 1 MSc 3 cr
Seminars and lectures on selected topics in pharmacy. Students are required to present both oral and written reports on research topics.

PHRM 7170 Pharmacy Seminar 2 MSc 3 cr
Lectures and group discussions on recent developments in pharmaceutical fields. Students are required to give an oral presentation.
PR/CR: A minimum grade of C is required unless otherwise indicated.
Prerequisite: PHRM 7160.

PHRM 7180 Pharmaceutical Implications of Biotechnology 3 cr
Introduction to biotechnology in pharmaceutical sciences and pharmacy. Students will be introduced to concepts from molecular biology, immunology, biotechnology and pharmacogenomics. Implications of biotechnology in pharmaceutical biopharmaceutical research.

PHRM 7202 Advanced Topics in Pharmacoepidemiology - Level 1 3 cr
Reserved to M.Sc. students in Pharmacy seeking a concentration in Pharmacoepidemiology. Students must have obtained approval for their thesis proposal in pharmacoepidemiology before enrolling in PHRM 7202. Advanced topics regarding study design and analytical methodology in pharmacoepidemiology are discussed.
PR/CR: A minimum grade of C is required unless otherwise indicated.
Prerequisite: PHRM 7102 (or equivalent).

PHRM 7260 Pharmacy Seminar 1 PhD 3 cr
Seminars and lectures on selected topics in pharmacy. Students are required to present both oral and written reports on research topics.

PHRM 7270 Pharmacy Seminar 2 PhD 3 cr
Lectures and groups discussions on recent developments in pharmaceutical fields. Students are required to give an oral presentation.
PR/CR: A minimum grade of C is required unless otherwise indicated.
Prerequisites: PHRM 7260 or PHRM 7160 if the student direct transfers from M.Sc.

PHRM 7302 Advanced Topics in Pharmacoepidemiology - Level 2 3 cr
Reserved to Ph.D. students enrolled in Pharmacy and seeking a concentration in Pharmacoepidemiology. Students must have obtained approval for their thesis proposal in pharmacoepidemiology before enrolling in PHRM 7302. Advanced topics regarding study design and new analytical methodology in pharmacoepidemiology are discussed.
PR/CR: A minimum grade of C is required unless otherwise indicated.
Prerequisite: PHRM 7102 (or equivalent).