

# COURSE DETAIL

## HUMAN GENETICS APPLIED

**Country**

Canada

**Host Institution**

McGill University

**Program(s)**

McGill University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

120

**UCEAP Course Suffix****UCEAP Official Title**

HUMAN GENETICS APPLIED

**UCEAP Transcript Title**

HUMAN GENETICS APP

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

**Course Description**

Course covers several topics each week, including: variation in expressed genes (protein polymorphism); variation in DNA sequences (SNPs, STRs, CNVs); Sequencing and mapping the human genome (HapMap); classical linkage analysis (principles, LOD scores); Mendelian inheritance in man; non-parametric linkage; progress in finding complex trait genes; complex traits and expression phenotypes; genome wide association studies; population genetics and epidemiology; developmental genetics; behavior; genetic screening and therapy; cancer genetics; reproductive genetics; expressed and unexpressed genetic variation and disease susceptibility; gene therapy.

**Language(s) of Instruction**

English

**Host Institution Course Number**

BIOL 370

**Host Institution Course Title**

HUMAN GENETICS APPLIED

**Host Institution Course Details****Host Institution Campus**

McGill University

**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Biology

**Course Last Reviewed**

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