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 Campus

McGill University

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biology

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