

GENE-411: Medical Genetics

This course introduces students to the clinical aspect of a broad range of human genetic disorders, focusing on phenotypic characteristics, current confirmatory diagnostic techniques for each disorder, and approaches to interventions in terms of either prevention of occurrence, reduced morbidity, or achieving improved coping with disease. The course is designed to develop a students ability to construct pedigrees and to interpret modes of inheritance. Course formats consists lectures organized in a case study format such that an integration of all components of phenotype can be understood in relation to rationale for diagnostic methodology, and relevant intervention approaches. Students perform assigned reading, on-line searches on genetic diseases.

Credits: 3

Program: Genetics