Biol 4285 Human Molecular Genetics – 2009 (Winter)

Course Instructor: Dr. Michael Scheid
Office hours: Tuesday, 10:30 am – 11:30 am, Farquharson Bldg 236A
Lecture times: T/R 8:30 am – 10 am
Last day to drop without a grade: April 22

Course objective:
Discussion of human genetics at the molecular level, with a focus on human genetic disease

Topics include:
Organization of the human genome; chromosomal abnormalities; mitochondrial DNA; molecular techniques for studying human genetics; mutations and polymorphisms; bioinformatics for gene discovery; single gene and multifactorial disease; forensics; ethics; and more

Course Material:
Human Molecular Genetics, 3rd Edition, Strachan and Read. Available in the Library and a the bookstore

Pubmed
Pubmed link.

Online Mendelian Inheritance in Man (OMIM)
OMIM link.

Evaluation
Mid-term exam 1 – 25%, March 31st at 8:30 am in class – 1.25 hours
Mid-term exam 2 – 25%, April 28th at 8:30 am in class – 1.25 hours

Final Exam – 50% - Time and location TBA

Missed exams require an Attending Physician Statement