Biol4285 Human Molecular Genetics – 2010

Course Instructor: Dr. Michael Scheid

Office hours: Tuesdays and Thursdays, 1:00 pm – 2:30 pm, Farquharson rm 236A

Lecture times: Mondays 2:30 pm - 5:30 pm

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

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

Course Material:

Pubmed

Online Mendelian Inheritance in Man (OMIM)
follow OMIM link.

Evaluation
Mid-term exam 1 – 25%, February 8th in class
Mid-term exam 2 – 25%, March 18th in class
Final Exam – 50% (cumulative for the entire course)