

Genomics

A course from

Human Genetics, Structure and Biochemistry, and Computational Bioscience

HMGP 7620, STBB 7620 and CPBS 7620

This course will introduce graduate students (and interested postdocs, technicians and faculty) to the field of genomics. The previous optional computer workshop has been expanded this year to a separate course, Mol Biol 7620 (Hesselberth). Please enroll in the lecture for 2 units and double check that you have signed up for the right course(s) that you intend to take.

Course Directors: David Pollock, Jim Sikela and Mark Johnston

Topics to include:

Genome Mapping, Sequencing, Assembly and Annotation; Human Genome Evolution and Personal Genomics
Comparative Vertebrate Genomics; Transposable Elements; Genome Architecture, Segmental Duplications, and Rearrangement; Transcriptomics and RNA genomics; Functional Genomics; Proteomics; Genome Evolution and Phylogenomics; Population Genetics & Genomics; Human Genome Polymorphism and Association Studies; Pharmacogenomics; Metagenomics; Epigenomics; and Social Impacts of Genomics

Location and time

Lectures: 2 units, Monday through Friday 8:00-10:00, L28 (Ed 2 South), Room 1308

Class Begins Tuesday January 21 and last class is Tuesday, February 11

There is a single take-home final due Friday February 14

See www.EvolutionaryGenomics.com/GenomicsCourse.html

For further enrollment information contact:

Jennifer .Spaulding@UCDenver.edu or Elizabeth.Wethington@UCDenver.edu

all interested in the lectures are welcome

Please contact David.Pollock@ucdenver.edu or go to

www.EvolutionaryGenomics.com

for more information