

Genomics & Systems Biology

ASCI 896-002

3 credits

Time: To Be Determined
Tentatively – M, W, F 2:30-3:30 pm or 3 – 4 pm

Sequencing of mammalian genomes combined with the advent of new technologies and methods for studying biological systems has led to explosive growth of biological information. As a consequence, new approaches are now possible to use in efforts to identify the basis of disease. This course will use problem-based learning to address the causes of diseases in animals. Students will work on projects in which the major focus will be to propose methods to identify the chain of events that result in specific diseases and, when applicable, to propose possible therapies. Emphasis will be on developing solutions to problems with clear justifications. It is expected that lectures, readings, and discussion will be major components of the course.

Instructor: Jack Weber. Phone: 472-0842,
email: jweber4@unl.edu

Please contact instructor if interested in this course.

Prerequisites: Molecular Biology Course or Biochemistry 832
+ permission of instructor