

This course is part of the Molecular Medicine concentration in the Master's Program in Medical Sciences.

Metabolic & Genetic Basis



of

BCH 6627

Summer Semester A

3 Cr. Hrs.

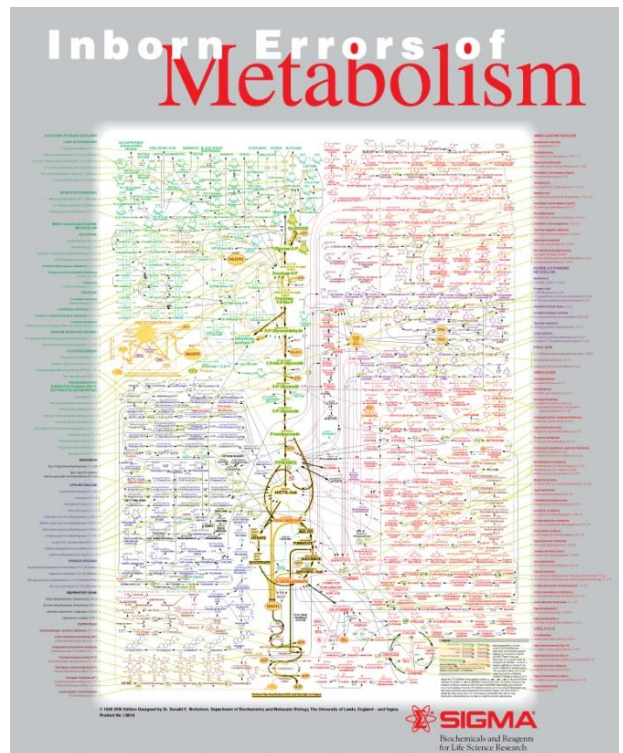
Human Disease

Course Description:

BCH 6627 is designed for graduate students who have completed the introductory course in Biochemistry or Biomedical Sciences. The course will focus on the genetic, molecular and biochemical basis of human diseases. It will consist of lectures, student presentations and examinations.

Course Objectives:

- Comprehend the principles that underlie inheritance and expression of genetic information.
- Understand the basis of autosomal recessive, autosomal dominant, X-linked and atypical patterns of inheritance.
- Recognize how defects in genes coding for structural proteins, receptors, channels, transporters, transcription factors and enzymes in various metabolic pathways can lead to the observed clinical presentations in these metabolic diseases.



Consent of Instructor required for permit to register!

Schedule an appointment with Dr. Ness (gness@health.usf.edu) to discuss participation in this course.