MHD COURSE OBJECTIVES

The specific educational objectives will be found with each learning exercise - lecture, small group session, laboratory session or independent learning activity.

By the end of the Mechanisms of Human Disease Course students will:

**Medical Knowledge**

Demonstrate knowledge of the principal pathologic processes

Demonstrate knowledge of the epidemiology, etiology and pathogenesis of common and prototypic diseases including the genetic and molecular basis of disease

Demonstrate knowledge of the morphology (gross and histopathologic) and abnormal function (pathophysiology) of diseased organs

Demonstrate ability to correlate the pathology of disease with its clinical manifestations

Demonstrate ability to identify appropriate diagnostic and treatment strategies for common diseases

Differentiate between diseases which may share common clinical manifestations

Demonstrate knowledge of common and prototypic bacteria, viruses, fungi and parasites with respect to their classification, epidemiology, pathogenesis, diagnosis and clinical manifestations of infection and prevention

**Patient Care/Clinical Skills**

Develop a differential diagnosis and diagnosis, explain the pathogenesis of a disease and clinical course, and develop a basic treatment strategy when provided with a patient clinical history, physical exam, pertinent diagnostic data, and/or morphologic (gross and histologic) findings.

**Interpersonal and Communication Skills**

Demonstrate an ability to communicate effectively with fellow students and faculty facilitators about common disease entities in laboratory case presentations and small group setting

**Lifelong Learning, Problem Solving and Personal Growth**

Demonstrate evidence of self-directed learning

**Professionalism**

Demonstrate professional demeanor and interactions with fellow students, faculty and administrative support staff