

# PHYSD 0550 : Human Physiology I

Students are introduced to the physiological principles and regulatory processes that underlie the normal function of the human body, and develop an understanding of the physiologic responses to perturbation of homeostasis and of pathophysiologic alterations that occur in disease. Didactic lectures are supplemented with workshops that focus on application of physiological concepts. Topics include the biophysical properties of membrane excitability, and the functions of the neuromuscular, cardiovascular, pulmonary, renal, acid-base, digestive, endocrine, and reproductive systems.

**Credits** 3.5