

BASIC CONCEPTS OF HUMAN STRUCTURE-MD (BCS)

BCS 160 Basic Concepts of Human Structure 10 cr

This module uses an integrated curriculum of basic science and clinical material to develop the student's knowledge and ability to describe and diagnose conditions of the skin and the musculoskeletal systems. In order to cultivate this ability in the student, team based and active learning exercises, lectures, anatomy labs, hands on clinical skills labs, independent learning, clinical experiences, and the study of anatomic and radiological images will be utilized. The module will begin with an introduction to dermatology, muscle and connective tissue. This will include illustrative cases that portray these tissues in normal physiology, development and aging, and disease. In this module, students will study the anatomical structures of the thorax, abdomen pelvis, perineum, upper and lower extremity, in both the normal and diseased states. At the end of the module, the students will have learned how to apply their emerging knowledge of normal and abnormal structure, and function of these tissues and systems in order to recognize, and ultimately treat conditions associated with injury and/or illness. Given the nature and frequency of abnormal musculoskeletal conditions within our society, especially in geriatrics and sports, a comprehensive, inter-disciplinary, and holistic approach to the professional care for these individuals will be emphasized.