**MEDICINE**

**Course Search**
Not all courses are offered every semester. Refer to the schedule of courses for each term’s specific offerings.

More Info

Courses at the University of Florida, with the exception of specific foreign language courses and courses in the online Master of Arts in Mass Communication program, are taught in English.

**Interdisciplinary Programs**
There are two interdisciplinary majors within the College of Medicine for qualified undergraduates with department permission: neurobiological sciences and biochemistry and molecular biology. Both programs are offered in cooperation with the College of Liberal Arts and Sciences.

Neurobiological sciences involves coursework in the Department of Neuroscience and related disciplines, and biochemistry and molecular biology involves coursework in the Department of Biochemistry and Molecular Biology. Both programs require independent laboratory research and additional electives. Applications should be made to the departments in the sophomore or early junior year.

For a complete description of the courses offered by the College of Medicine, refer to the College of Medicine and the Graduate School catalog.

**Courses**

**BMS 3521 Human Physiology in Translation** 3 Credits
Human physiology organized into four major physiological systems: cellular/endocrine, cardiovascular, respiratory and renal physiology. For each system, translational topics bridge basic science to contemporary medical issues relevant to undergraduates and society. Designed to be of special interest to those pursuing medically related careers.
**Prereq:** APK 2105, BSC 2010, MCB 2000, or instructor permission

**BMS 4136C Human Histology** 4 Credits
For pre-professional students. Lectures emphasize the biology of cells and extracellular components that underlie tissue function. Laboratories emphasize visualization of corresponding structures by light microscopy, with correlation to images acquired by electron microscopy.
**Prereq:** PCB 3023 or PCB 3134 or instructor permission

**BMS 4905 Medical Sciences Senior Research** 1-5 Credits
Laboratory or literature investigations of current problems in the medical sciences.
**Prereq:** instructor permission

**MDU 4001 Introduction to Medical Science Seminar 1** 3 Credits
First of two courses of introduction to the medical sciences.

**MDU 4002 Introduction to Medical Science Seminar 2** 3 Credits
The second course of introduction to the medical sciences.

**MDU 4003 Introduction to the Professions of Medicine** 3 Credits
A web-based course about the medical field. Online lectures are presented by medical students, residents and practicing physicians who take students through various aspects of the medical profession.

**MDU 4004 Physician Shadowing** 3 Credits
Provides background knowledge in issues related to clinical care such as privacy, professionalism and compassion, while students shadow clinicians in the Gainesville area. Course is provided through participation at the Equal Access Clinic and individual physician clinics. Enrollment is completed by the College of Medicine.
**Prereq:** MDU 4003

**MDU 4008 Aspects of the Art of Medicine** 2 Credits
Introduces the Essential Competencies Needed to Practice the Art of Medicine; Designed to Assist Third Year Students in the Medical Honors Program for Successful Transition to Uf College of Medicine. Provides Knowledge, Skills, and Experiences to Be Successful Personally and Professionally During Medical Education and Beyond.
**Prereq:** third year standing in the Medical Honors Program

**MDU 4010 Cell Biology Seminar** 4 Credits
Cellular functions in health and disease. The structure and molecular biology of mammalian cells are stressed, including virus-cell interactions, inborn errors or metabolism and bacterial growth.

**MDU 4031 Medicine and the Law** 3 Credits
The importance of the law and its impact on the way medicine is practiced in the United States, presented from academics and practicing attorneys and physicians.
**Prereq:** MDU 4003

**MDU 4032 Health Care Economics** 2 Credits
This course examines key health care issues in the United States using economic theory as the framework for analysis. Students will analyze health care issues, using efficiency and equity criteria, and evaluate current health care policies for their effects on access, quality and cost. Topics include the health economy; the production and demand for health and medical care; the market for health insurance; private (e.g. employment based) and public (e.g. Medicare and Medicaid) sources of health insurance; managed care; and health care reform.

**MDU 4051 Medical Humanities and Clinical Practice** 2 Credits
Introductory course to the physical realities of patient care and to the way in which medical humanities illuminate understanding of the practice of medicine.

**MDU 4061 Introduction to Medical Bioethics** 3 Credits
Bioethical issues facing our nation and world and the impact of these issues in medicine and research. Also includes the importance of integrated, collaborative research and the professionalism expected within the healthcare and scientific communities.
**Prereq:** MDU 4003

**MDU 4070 Physician Perspectives on Glocal Topics in Healthcare** 3 Credits
Covers topics in global and local health that is necessary for today practicing physician leader. Designed to assist third year students in the Mhp to become leaders in the social aspects of medicine, It provides the necessary knowledge, skills, and experiences to be physician activists.
**Prereq:** active third year student in the Medical Honors Program

**MDU 4850 Diseases of Eating** 3 Credits
A web-based course that focuses on anorexia, bulimia and obesity and emphasizes societal issues associated with these disorders. Written assignments are opinion-based, encouraging the student to think about these disorders on a broad scale.