BMS 401: Honors Introduction to Cancer Research

BIOMOLECULAR SCIENCES

This course introduces UM Honors College students to some of the basic techniques used in laboratory research and establishes a fundamental scientific framework for tumor cell biology and cancer-related UM Honors thesis research projects. This course includes discussions of the critical biochemical molecular and/or cellular events underlying the etiology and progression of cancer, anticancer target selection and validation, biochemical and cell-based bioassay methods, screening libraries of compounds and/or extracts, bioassay-guided isolation, and biological characterization/evaluation of active leads. Emphasis is placed on natural product-based anticancer research.

1 Credit

Prerequisites

- Bisc 160: Biological Sciences I
- Bisc 161: Biological Sciences I Laboratory
- Limited to students in the Sally McDonnell Barksdale Honors College
- Pre-Requisite: 24 Earned Hours

Instruction Type(s)

- Lecture: Lecture for BMS 401

Subject Areas

- Pharmaceutical Sciences

Related Areas

- Clinical and Industrial Drug Development (MS, PhD)
- Industrial and Physical Pharmacy and Cosmetic Sciences (MS, PhD)
- Medicinal and Pharmaceutical Chemistry
- Natural Products Chemistry and Pharmacognosy (MS, PhD)
- Pharmaceutical Marketing and Management
- Pharmaceutics and Drug Design (MS, PhD)
- Pharmacoeconomics/Pharmaceutical Economics (MS, PhD)
- Pharmacy (PharmD - USA - PharmD, BS/BPharm - Canada)
- Pharmacy Administration and Pharmacy Policy and Regulatory Affairs (MS, PhD)
- Pharmacy, Pharmaceutical Sciences, and Administration, Other

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.