MISSISSIPPI COLLEGE
A CHRISTIAN UNIVERSITY

Research Courses for Dr. Hearst's Lab

Total Credit Hours: 1 to 3 hours
Classroom: H413 and H415

Instructor

Dr. Scoty Hearst
Email Address: shearst@mc.edu
Contact: 601-925-3424
Office Location: H411
Office Hours: varies

Course Description

Research Courses for undergraduates and graduates in Environmental Chemistry, Analytical Chemistry, and/or Biochemistry.

Rationale for Course

This course will give students experience in research techniques used in the fields of Environmental Chemistry, Analytical Chemistry, and/or Biochemistry.

Learning Objectives

Students will learn how to perform laboratory techniques commonly used in the fields of Environmental Chemistry, Analytical Chemistry, and/or Biochemistry. Students will gain knowledge in data acquisition and computing. Students will present their research at local or national conferences.

Prerequisites

CHEM 1 or CHEM 2 or other general lab-based course

Instructional Materials

TBD

Methods of Evaluation

Students will be evaluated based upon class participation, where 3 hrs of lab work will be required for each 1 hr of research credit. Students will be required to present their research projects at local or national conferences as part of their grade. If students backs out of a conference after the department has paid for their hotel and registration fees, the student's grade will be reduced by two letter grades.

MC Syllabus Statement

The MC Syllabus contains all policies and procedures that are applicable to every course offered by Mississippi College, both on campus and online. The policies in the MC Syllabus describe the official policies of the University as they relate to instruction and will take precedence over those found elsewhere. It is the student's responsibility to read and be familiar with every policy. The MC Syllabus may be accessed at any time on the MC website at the following: https://www.mc.edu/provost/mcsyllabus.

MC Honor Code

A fundamental principle of academic, business, and community life is honesty. Mississippi College has adopted an Honor Code that applies to all members of our academic community. The code is as follows: "As a member of the Mississippi College community, I will live, speak, and work in a way that honors myself and others around me. I will hold myself and others to the highest standards of virtue and truth." Upon accepting admission to Mississippi College, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor Code. As such, academic dishonesty is not tolerated. Students will be required to affirm this statement on examinations, research Academic Affairs—2.19 Academic Honesty 2 papers and other academic work. Ignorance of the rules does not exclude any member of the Mississippi College community from the requirements or the processes of the Honor Code. For additional information, please visit: https://mc.edu/provost/honorcode.

Grading Policy

My goals are to (1) meet the course objectives and (2) ensure fairness. Accordingly, please do not contact the instructor at the end of the course to request an extra assignment, bonus opportunity, or grade change for any reason except an error in the calculation of the final grade. Grade appeals should follow the process outlined in MC Policy 4.20.

Additional Course Policies

Travel may be required for this course. Any travel for conferences will be an official absence and excused by the university.

Outdoor Lab Sampling: Portions of this Lab may require outdoor environmental sampling. Attendance to these outdoor lab sessions are encouraged, but not required. We will collect biological samples at various locations as a part of the class. When performing field research at said locations, students must sign a liability waiver before riding on the Chemistry Department's UTV or research boat. Students will follow all safe practices such as buckled seat beats or wear life jackets when in said vehicles.

Best Practices

This course deals with dangerous chemicals and biological substances. Students will practice lab safety at all times in the lab and wear proper PPE based up experimental procedures performed. Students will also follow all university IACUC protocols when working with live animals.

Course Outline / Schedule

Research hours may vary. For now: Tuesday mornings and All Day Thursday

Disclaimer

The instructor reserves the right to modify the schedule proposed in the syllabus as necessary. Modifications will be provided in writing.