

**Guidelines and Policies Concerning Biology 403
Undergraduate Research (3-4 hours)**

1. Biology 403 allows undergraduate students to have research experience in Biology. The student will define a biological problem, write a hypothesis, and design a research protocol to test the hypothesis. The project will culminate with the writing of a formal paper. The research experience will be conducted under the supervision of one of the faculty members of the Biology Department.
2. Registration Requirements:
 - A. A major in Biology is required, with 20 semester hours completed.
 - B. A "B" average in all Biology courses.
 - C. Special cases may be considered if a student and participating faculty member petition the Chairman of the Biology Department with a formal request which includes experimental protocol.

3. Enrollment Procedures:

Students should plan the project during the semester prior to enrollment. The project should be discussed with a faculty member, and the literature reviewed early during the semester. A formal proposal reviewing the literature, presenting the hypothesis, and presenting the experimental design should be reviewed by the faculty member.

The signed contract and the proposal must be submitted to the Biology Office prior to registration. After the proposal is signed by the faculty advisor and the chair, the student will be added to the course by the Biology department office.

4. Course Description:

Undergraduate research should be an experience which involves (over a period of 1 or 2 semesters):

- A. Definition of a problem with a specific hypothesis or objective to which valid research methods can be applied.
- B. Review of the appropriate literature.
- C. Development of a specific experimental design and/or experimental method(s).
- D. Interpretation and analysis of data.
- E. Presentation of a formal paper which follows the format of a recognized scientific journal. This paper will remain on file in the Biology Office.

Biology 403 Contract

I understand and agree to the above policies and meet the requirements for participation in Biology 403. The proposed title of my undergraduate research project is:_____.

Projected Date of Completion

Credit (3-4 Semester Hours)

Semester and Year to be enrolled

Student Signature

Date

Professor's Signature

Date

Chairperson's Signature

Date

BIOLOGY 403 – APPLICATION

(To be submitted to the faculty supervisor)

Name: _____

Local Address: _____

Street

City

Zip Code

Local Telephone Number: _____

Credit hours earned in Biology: _____

Grade Point Average in Biology: _____

Overall Grade Point Average: _____

List Biology Courses Taken:

Course Number	Course Name	Grade

List Biology Course(s) in which you are currently enrolled:

Course Number	Course Name	Grade