

Information Regarding Student Participation in a Biology 290 Directed Research Course

Student Involvement in Faculty-Directed Research

Biology Department faculty are involved in a number of research projects which have opportunities for student participation. From time to time students are recruited by faculty to work on such projects. A mutually beneficial experience for both student and faculty requires, at a minimum, student interest in research, some training and experience in biology and chemistry, and a willingness to work regularly on a project throughout a semester.

Student participation on research projects is entirely voluntary. Students should not feel compelled or pressured to work on a project. If a student is not interested in working on a research project, or the particular project for which he/she may be recruited is not inherently interesting, the student should so indicate. Since directed research is not required as part of a biology major, a decision not to participate in a research project has no consequences with regard to earning a degree in biology.

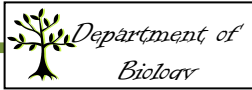
Directed Research (Biology 290) Course Credit

The Biology Department may permit a student to enroll in a Biology 290 course in order to do directed research and/or reading when he/she has demonstrated competence in the academic discipline involved and has shown an ability to study on his/her own initiative. Directed research will involve the student in research and/or reading in an area not covered in the regular course offerings of the Biology Department. A student wishing to register for Biology 290 must have completed four courses in biology and/or chemistry and must have an overall GPA of at least 3.3 in those courses. Students may register for ½ Biology 290 course credit per semester.

Biology 290 directed research projects must be defined in advance of registration for the course. Students wishing to register for Biology 290 credit should obtain the form "Request for Permission to Register for Biology 290 Directed Research" from the department chair or from the instructor supervising the research. After completing the form, it must be submitted to the supervising instructor. After being approved by the department chair, the student may register for Biology 290.

Expectations of Students Participating in Research

Students are expected (1) to perform at least one half day of laboratory research and/or reading (4+ hours) per week; (2) to use superior laboratory technique; (3) to keep thorough written records of their work, observations, etc.; (4) to read papers and perform library research as required; (5) to write a final report; (6) to communicate regularly with the faculty supervisor; and (7) to present a 20-25 minute oral presentation at a departmental seminar if the project and data are appropriate.



Request to Apply for Biology 290 Directed Research

Name _____ Date _____

Local address _____

Telephone number _____ Cumulative GPA: _____

List the biology course(s) that you have completed or that are in progress (designate as "IP"). Write the grade received next to each completed course.

- | | | | | |
|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------|
| <input type="checkbox"/> 111 _ | <input type="checkbox"/> 207 _ | <input type="checkbox"/> 324 _ | <input type="checkbox"/> 341 _ | other (specify): |
| <input type="checkbox"/> 114 _ | <input type="checkbox"/> 242 _ | <input type="checkbox"/> 331 _ | <input type="checkbox"/> 344 | |
| <input type="checkbox"/> 115 _ | <input type="checkbox"/> 243 _ | <input type="checkbox"/> 332 _ | <input type="checkbox"/> 345 | |
| <input type="checkbox"/> 116 _ | <input type="checkbox"/> 311 _ | <input type="checkbox"/> 333 _ | <input type="checkbox"/> 346 | |
| <input type="checkbox"/> 141 _ | <input type="checkbox"/> 313 _ | <input type="checkbox"/> 335 _ | <input type="checkbox"/> 352 | |
| <input type="checkbox"/> 205 _ | <input type="checkbox"/> 321 _ | <input type="checkbox"/> 336 _ | <input type="checkbox"/> 354 | |
| <input type="checkbox"/> 206 _ | <input type="checkbox"/> 323 _ | <input type="checkbox"/> 338 _ | <input type="checkbox"/> 357 | |

List the chemistry course(s) that you have completed or that are in progress (designate as "IP"). Write the grade received next to each completed course.

- | | | | |
|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| <input type="checkbox"/> 103 _ | <input type="checkbox"/> 113 _ | <input type="checkbox"/> 261 _ | <input type="checkbox"/> 324 |
| <input type="checkbox"/> 104 _ | <input type="checkbox"/> 114 _ | <input type="checkbox"/> 262 _ | <input type="checkbox"/> 383 _ |
| <input type="checkbox"/> 105 _ | <input type="checkbox"/> 201 _ | <input type="checkbox"/> 323 _ | other (specify): |

Do you have laboratory experience other than that associated with courses? If so, describe briefly.

Do you enjoy laboratory work? _____ If yes, what aspect(s) of laboratory work appeal to you most?

Do you have any moral or ethical objections to the use, within federal and state guidelines, of living animal models (e.g., mice) for biomedical research? _____ If yes, explain briefly.

What do you see as the long term benefit of the research project to you?

Please return this form to the Supervising Instructor or to the Department Chairperson

