UNDERGRADUATE RESEARCH IN CHEMISTRY

DECLARATION OF RESEARCH MENTOR AND PROJECT

PART 1: To be completed by the Student

In order to take any of the Undergraduate Research courses, students must have a declared major in biochemistry, chemistry or one of her sister sciences and must have an overall GPA of 2.75 or higher.

In addition to the work on their respective projects and with their respective mentors, students will meet, as a group, with the Undergraduate Research Program Director for one hour per week.

Although none of the research courses may be used to fulfill the writing intensive requirements of the college, all submitted work, including the initial proposal and the final report, must meet the standards of the ACS style guide. Failure to produce an acceptable proposal will prevent the student from being registered in the course. Students should have their mentors proof-read the proposals before submission. Typically, a good quality proposal includes the following:

a. Title
b. Introduction:
   - one paragraph about the overall problem tackled and the state-of-the-art in the field
   - one paragraph about the specific project and (eventual) previous work carried out in your lab
c. Aim and goals:
   - One sentence about the overall aim of the project (may include the work of grad students, post-docs in the lab, etc…)
   - One sentence about the specific goals the student expects to achieve during the semester
d. Plans:
   - A detailed list of planned experiments. The detail level needs not be down to the specific step-by-step procedure but should include techniques and reactions. It should clearly state what information/data is expected to be obtained from each experiment and how it fits in the overall goal of the project.
e. Figure:
   - Whenever applicable, a figure, rxn scheme, table, chart, graph, microscopy photo, etc… should be included. This should be similar to a graphical abstract in a scientific journal publication.
f. References:
   - At least two or three publications from the primary literature should be cited. These citations should be referenced in-line in the text (mostly of the introduction).

At the end of the term students must also turn in their original laboratory notebook and all associated data to their mentor. All research courses require a written report at the end of each semester. Students will not receive a grade for the course until such a report is reviewed by their mentor and submitted to the Undergraduate Research Program Director.

STUDENT NAME: _____ STUDENT ID #: _____

EMAIL ADDRESS: _____ PHONE NUMBER: _____

MAJOR: _____ DECLARATION SEMESTER: _____ GPA: _____

SIGNATURE: _____ DATE: _____

Part 2: To be completed by the Research Mentor

The fact that the research report must be submitted to the Program Director shall not be taken to imply that the director will sit in judgment of the faculty research program. The scientific content of the report is the responsibility of the faculty mentor, but it is expected that reports for longer term projects will be substantial. The Undergraduate Research Program Director will be responsible for submitting the grade but only after consultation with the faculty mentor. This form, along with end-of-semester reports, will be submitted to the Program Director and kept on file.

This certifies that the student named above has permission to work on a research project in my laboratory. The student will be working under my mentorship on the project described in the attached proposal.

It is expected that the student will spend a minimum of _____ hours/week in the laboratory.

MENTOR NAME _____ SCHOOL/DEPT. _____

EMAIL ADDRESS: _____ PHONE NUMBER: _____

SIGNATURE: _____ DATE: _____

Part 3: To be completed by the Undergraduate Research Program Director

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This certifies that I have reviewed and approved a research proposal by the student above. It meets the stylistic criteria expected and it clearly shows the student has an understanding of the science, an appreciation of the research project and a plan to carry it out.

SEMESTER AND YEAR OF REGISTRATION: _____

URP: _____ SciScholar: _____ DRSP: _____ MARC: _____ CARAS: _____

COURSE: CHEM _____ SECTION: _____ CRN: _____ CREDITS: _____

SIGNATURE: _____ DATE: _____

NOTES:_____

Part 4: To be completed by the administrator registering the student:

NAME/INITIALS: _____ REGISTRATION DATE: _____

NOTES:_____