**Application form to do research at Dr. Olga Kopp’s lab (BIO 489R- Research, BIO490R Thesis). This application should be accompanied by a CV that includes list of accomplishments and statement of goals (Go to career services, they will help you write your resume and CV). Please submit all documents to**[**biologyuvu@gmail.com**](mailto:biologyuvu@gmail.com)

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  UV ID \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Major \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class standing (F, S, J, Se)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Overall GPA \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number of credits sought \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ semester \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Time available to work per week\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number of credit hours you are taken during the semester you plan to enroll on research (489R)

Classes you have taken (include labs)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How many semesters are you planning to work in the lab?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Previous research experience and future plans\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Give an example of something you have done that could demonstrate that you are self-driven person \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Submit the answer to the following in an additional document (submit a Word or a PDF file)

1. Do you know how to make molar solutions?  \_\_\_\_\_\_\_\_\_\_  Give details of how to prepare 300 ml of a 3 M solution of MgCl2
2. Why do you want to do research in our lab?
3. Explain how participating in the research in our lab will help you meet your long term goals.
4. Is working in groups a good thing when doing research (yes or no, EXPLAIN)
5. What is experimental design?
6. Write an experimental design to evaluate the effect of IAA (Indole acetic acid) in the growth of bean plants.
7. If you were to do your own research on your own desired project, write a clear hypothesis for that particular research and a summary of how you will conduct the research (experimental design)

Students participating in Research courses are held to a very high standard. The grade will be based on the student’s performance (fulfillment of the required hours in the lab (minimum 3 hours per week per credit), performance in the lab (show creativity, do the assigned readings, write a grant proposal, troubleshoot problems), write a progress report, write a final paper (format of a scientific paper: Introduction, methods, results, discussion, conclusions and literature cited) with details of the research done, statistical analysis, analysis of data and future research. Present your research to regional or national conferences. A syllabus will be given to the student along with the deadlines for assignments. The student should attend a lab meeting (usually Fridays at 10 a.m.) where progress of all projects are discussed.