

CHEM 490 Senior Research Thesis Research Agreement

This agreement is to be used by Chemistry majors with Junior standing. It must be signed and presented to the Chemistry Department (TH 355 M) on or before the last day of classes of the academic year before registering for Senior Research Thesis, CHEM 490. The purpose of this agreement is to provide the student an overview of the requirements of CHEM 490 and a general schedule to meet those requirements. A more detailed contract/syllabus will be reviewed and signed by the student and research advisor before the student registers for CHEM 490.

Print Name _____
e-mail _____@pugetsound.edu
Campus box _____ Phone _____

Description of research and commitment

CHEM 490 is a two-semester commitment*; the student is expected to spend, at a minimum, an average of five hours per week (~150 research hours). While the experience of summer research may be beneficial to the research, the hours of paid summer research can not be included. Thesis benchmarks include: a literature review, safety training, formal progress report, rough drafts, a formal oral presentation and thesis. This research agreement and a research contract will be completed in consultation with the research advisor. 1 unit of CHEM 490 is required to qualify for a BS in Chemistry.

*It is expected that the student will register for 1 unit of CHEM 490 during the first semester of research. The student will receive an *In Progress* (IP) grade at the end of the first semester. A final grade will be awarded after the requirements are met after two semesters of research.

Any deviation from this registration process must be noted here on the research agreement and the research contract that is completed with the research advisor in the fall.

Signature of student _____ Date _____

Signature of research advisor _____ Date _____

Evaluation of CHEM 490

50% Research

Safety training, mastery of skills/techniques, independence, effort

40% Written work (each assignment requires timeliness, effort, quality, etc.)

Written Objective, Literature review, Progress report, Drafts, Thesis

10% Presentation

General Schedule

Prior to the research year

1. Student must select a research advisor.
2. The topic and method of research must be agreed upon and approved by the research advisor.
3. Submitting the preliminary this **research agreement** by the last day of classes in the junior year to the department office (TH 355M).

First week of first semester of research (during ADD period)

1. Research objectives will be established via discussion between the faculty advisor and the research student and appended to the research agreement.
2. Register* for CHEM 490 using the ADD form (the department will provide the Registrar's office with a copy of the research agreement).
3. Review and sign the **research contract** with research advisor.
4. Complete the general safety training.
5. Outline research plans for semester.

End of the first month of research

1. Submit the literature review.
2. Review the Standard Operating Procedures (SOPs) required for your research.

Last 2 weeks of first semester of research

1. Submit a written progress report.
2. Review contract dates and outline plans for next semester.

First two weeks of the second semester of research

Draft of thesis introduction

After break of second semester (End of March)

Workable (nearly complete) rough draft of thesis

Last 2 weeks of second semester of research (Mid-April)

Presentation at Chemistry Thesis Symposium

Last day of classes

Thesis (final form)