Course Syllabus
Chemistry 481 001
Laboratory Internship

Course Description: Teaching experience in undergraduate chemistry laboratory, including maintenance, laboratory preparation, grading, and assistant of students in laboratory experience under the direct supervision of faculty mentor. May be repeated for credit if content differs.

Number of Credit Hours: 3 semester hours – 1 hour lecture and 4 hours lab per week

Course Prerequisites and Corequisites: Prerequisite: Permission of the department chair and instructor. Pass-Fail grading.

Program Learning Outcomes:
5. The student will articulate scientific information through oral communication.

General Education Core Curriculum Objectives: There are no specific general education core curriculum objectives in this course. This course is not a general education core curriculum course.

Course Objective: The student should demonstrate the teacher’s role in a laboratory setting.

Student Learning Outcomes: Upon completion of this course, students will be able to:
• work independently, responsibly, and efficiently to solve problems occurring in an laboratory setting.
• demonstrate clear oral and written communication skills. (PLO 4)
• demonstrate an ability to prepare and present laboratory lecture. (PLO 4)
• perform routine laboratory procedures safely and efficiently.
• explain fundamental principles of chemistry to freshman students.
• demonstrate an ability to assess student progress and develop assessment tools.
• demonstrate safety practices regarding laboratory and chemical storage.

Outline of Topics (approximate course time):
Variable: dependent on instructor and selected course content.
Class Syllabus
CHE 481_001
Laboratory Internship

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Office Hours: M-F, 8-9 am & M, 1-2 pm
Class meeting time and place: TBA

Text and Materials:
Lab notebook and literature pertaining to lab course assigned.

COURSE CALENDAR:
Student will conduct assignment under the guidance of the professor. The student will adhere to an agreed timeline between the student and professor.

This course is for 3 credits and involves a mentored teaching experience in undergraduate chemistry laboratory, which includes maintenance, laboratory preparation, grading, and assisting students in the laboratory for the duration of a semester (15 weeks). Students are expected to prepare the lab prior to each lab, attend the lab sessions, and remove the supplies after each lab. Students have required academic components and deliverables: written work (daily journal, presentation slides) and oral (several lectures, final presentation). These activities, inclusive of the lab expectations and academic components, average a minimum of 10 hours of work each week.

GRADING POLICY:
Laboratory assistant: The student will be required to be prepared for each lab. The Intern will be responsible for answering student questions and helping with the setup of each lab (calculate and prepare quantity of chemicals needed). (50%)

Oral Communication: The student will prepare and present the laboratory lecture for a minimum of three experiments. (25%)

Written Communication: Student will maintain a daily journal recording the following: (25%)
1. Describe what activities will be conducted that day
2. Give details on what the student actually did during class
3. Reflection on the outcome of the daily laboratory experience (personal and students)

Method of Evaluation: The final grade will be based upon percentage of points obtained in the following:
Laboratory assistance - 250 pts (50%)
Oral presentations - 125 pts (25%)
Daily Journal - 125 pts (25%)
Total - 500 pts

Grading scale - A = 90 - 100%; B = 80 - 89%; C = 70 - 79%; D = 60 - 69%; F = below 60%

ATTENDANCE POLICY:
Attendance is mandatory. There will be NO MAKE-UP presentations.

ACADEMIC INTEGRITY (A-9.1):
Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

Definition of Academic Dishonesty
Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit.

Please read the complete policy at http://www.sfasu.edu/policies/academic_integrity.asp

Any student found cheating will be subject to the penalties as stated in the Student Code of Conduct handbook; including but not limited to a score of zero on exam, expulsion from the class or expulsion from the University.

WITHHELD GRADES SEMESTER GRADES POLICY (A-54):
Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.
The circumstances precipitating the request must have occurred after the last day in which a student could withdraw from a course. Students requesting a WH must be passing the course with a minimum projected grade of C.

**STUDENTS WITH DISABILITIES:**

To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to [http://www.sfasu.edu/disabilityservices/](http://www.sfasu.edu/disabilityservices/).