Chemistry 276
Supervised Problems

Course Description: Individual study and/or laboratory research.

Number of Credit Hours: 1 – 4 semester hours

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

Program Learning Outcomes:
3. The student will perform qualitative/quantitative chemical analyses/syntheses using modern instrumentation.
4. The student will articulate scientific information through oral communication. (depending on instructor or project)
5. The student will articulate scientific information through written communication.
6. The student will demonstrate ability to integrate knowledge content, laboratory skill, critical thinking and problem solving, and communication skills via participation in research projects.

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 their ability to conduct independent research.

Student Learning Outcomes: Upon completion of this course, students will be able to:
• apply the chemistry knowledge obtained during the college career. (PLO 3, 6)
• analyze experimental results based upon trends in data. (PLO 5)
• practice the safe use/handling of chemicals and their proper storage. (PLO 3)

Outline of Topics (approximate course time):
Variable: dependent on instructor and selected course content.
Class Syllabus  
Fall 2016  
CHE 276_009

Professor: Dr. ‘Tayo Odunuga  
Department: Chemistry and Biochemistry  
Email: odunugaaoo@sfasu.edu  
Phone: (936) 468-6468  
Office: 122 Math Building  
Office Hours: M-F, 9:00 – 10:00 a.m., M, 1 – 2 p.m.  
Class time: To be discussed with the professor.

Text and Materials:  
Laboratory notebook & literature pertaining to research topic.

COURSE CALENDAR:  
Student will be involved in the conduct of faculty research under the guidance of the professor. The student will meet with the professor based on agreed schedule to discuss the experiments for the week. The course requires at least 3 hours of research per week.

GRADING POLICY:  

Laboratory Notebook: The student will develop and maintain a notebook on all experiments conducted during the course. Laboratory report should be in the following format: title of experiment, procedure, protocol and strategy, results and conclusions.

Method of Evaluation: Grading scale will be pass/fail and will consist of the following:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory Notebook</td>
<td>90</td>
</tr>
<tr>
<td>Professionalism</td>
<td>10</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100</strong></td>
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Grading scale: Pass = ≥ 70 points; Fail = < 70 points

Professionalism: This includes keeping deadlines, promptness to lab, good lab behavior, following instructions etc.

ATTENDANCE POLICY:  
The student will work at the student's own pace, but instructor must be informed of the student's hours that he/she will work. The student is expected to have thought through the experiments and to present an outline. Attendance at certain scientific presentations is compulsory (Saturday April 25, 2015). Attendance at Safety training on January 23, 1 p.m., room 130, Math Bldg is compulsory.

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](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/).

This syllabus is subject to change.

Dr. Tayo Odunuga

January 21, 2016