Course Syllabus  
Summer 1 2021  
Chemistry 4175-110  
Directed Research: Excel

Course Description: Individual study and/or laboratory research.

Number of Credit Hours: 1 – 4 semester hours

Course Prerequisites and Corequisites: Prerequisite: CHE 2175 and consent of the instructor. Pass-Fail grading.

Program Learning Outcomes:
1. The student will perform qualitative/quantitative chemical analyses/syntheses using modern instrumentation.
2. The student will articulate scientific information through oral communication. (depending on instructor or project)
3. The student will articulate scientific information through written communication.
4. 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.

Outline of Topics (approximate course time):

1) Review draft of FT: Excel  
2) Select 10 articles  
3) Read and summarize 10 articles  
4) Rewrite instructions  
5) Rewrite introduction with inclusion of new articles.

Our Process will be as follows:
Meet Tuesday and Friday.
Class Syllabus
Summer 1 2021
CHE 4175-110

Name: Dr. Darrell R. Fry
Department: Chemistry & Biochemistry
Email: frydr@sfasu.edu
ZOOM Link: https://sfasu.zoom.us/j/93909376629?pwd=cTQwWVlXa003VER2b0gzNEpVM1JnZz09

Meeting ID: 939 0937 6629
Passcode: 158547

Cell Phone: (936) 208-3415
Office: M-120
Class meeting time and place: TF at 10:00 AM via ZOOM (and as needed via text)

Starting Fall 2019 all students planning on taking Chemistry 4170 (the required seminar course for chemistry and biochemistry majors) will turn in a written report each fall. This report will serve as a complete draft of your chemistry 4170 final paper. Chemistry 4170 is only offered in the spring of each year; moreover, experience has taught the department that students who have a complete draft at the beginning of the 4170 course are most successful (and less stressed out). I strongly suggest each semester you update your living document with the most recent experiments. Reread the introduction---does it need changes? If so make them. If you changed direction, go ahead and find a few references for the change in direction. Add a paragraph or two about the changes.

Text and Materials:
Well documented Excel Notebooks.
A 3 ring binder (provided by Fry towards the end of the session) for literature pertaining to research topic.

Course Calendar:
Student will conduct an independent research project under the guidance of the professor. The student will adhere to an agreed timeline between the student and professor.

Grading Policy:
This is a pass fail course. At a minimum 5 components must be completed satisfactorily. Failure to do the 5 minimum components satisfactorily will result in failing the course. The components are described below.
1) Review draft of FT: Excel
2) Select 10 articles
3) Read and summarize 10 articles
4) Rewrite instructions
5) Rewrite introduction with inclusion of new articles.

Attendance Policy:
The student will work a minimum of 30 hours in the laboratory. The instructor must be informed and approve of the student's hours that he/she will work.
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/).