Syllabus
Special Problems 475
Lynne V Warren

Tissue Culture Techniques: infected eukaryotic cell lines with rotavirus and quantifying progeny infectious virus particles
BIO475

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Office Hours: M/W 8:30-10:30 AM;
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Department: Biology
Class meeting time and place: S205 TBA

Course Description: The student project is to learn to process rotavirus infected and uninfected cell lysates and compare the plaque forming units/ml between virus infected and virus with arachidins. Pre-requisite: Approval of department chair.

Program Learning Outcomes:
PLO 1 The student will develop tissue culture techniques and skill sets to analyze the production of infectious virus particles with the addition of antiviralcompounds.

General Education Core Curriculum Objectives/Outcomes:
This course is not included in the general education core curriculum.

Student Learning Outcomes:
After completion of BIO475, The student should have satisfactorily completed the following experiments that will be displayed in a poster presentation. The data will be submitted in an article in a peer-reviewed journal.

1. The student will develop molecular biological skills sets to grow and expand mammalian cell lines.
2. The student will demonstrate writing skills to complete a laboratory notebook that clearly dates and details the experiments performed on their projects outlining the scientific methods and design of the original scientific research.
3. The student will demonstrate the ability to perform plaque forming unit assays, interpret, present their data, and clearly draw conclusions from the research project.

Text and Materials:
There are no formal textbooks for this class. The student will need to utilize literature search engines such as Pubmed. The student may not use websites as sources. The student is encouraged to utilize books that show correct grammar use, bibliography formats, as well as a scientific dictionary.
Course Calendar: The following is a tentative timeline for completion during the Spring 2016 semester.
1. Grow eukaryotic cell lines in a sterile environment
2. Perform plaque forming unit assays using rotavirus to infect the cell lines.
3. Data will be placed in graphic forms for presentations and papers.

Grading Policy: After completion of this project, the grade will reflect the level of completion of the above stated PLO and SLO’s. A = Excellent, B = Good, C = Acceptable, F = Unacceptable.

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.

Attendance Policy:
No formal grade will be given for attendance. The student will be expected to make a concerted effort interact with his/her thesis advisor as much as necessary throughout the semester to successfully complete the project.

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

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/.