Nonlinear Optics, CRN 14882  
Fall 2020

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Office Hours: MW 9:30-11:00, M 2:00-3:00, R 10:00-11:00 or by appointment

This is an independent study course. Class time & lab time will be arranged by mutual agreement during the first week of the semester. This study will examine the modeling of nonlinear optics combined with experimental work within nonlinear optics.

**Course Description:** For undergraduate credit only. Experimental or theoretical independent study in research. Prerequisites: 12 semester hours of physics and permission of instructor.

**Textbook:** Instructional materials for the class will be provided by the instructor.

**Course Requirements:** The student will meet weekly with the instructor at an agreed upon time, the student will put in at least three hours of research per week. The student will develop a model for nonlinear optics. The student will perform a nonlinear optical experiment. The student will write up a brief report of their results.

**Grading Policy:**
- Nonlinear optical model: 3/8  90-100 % A
- Experimental work: 3/8  80-89 % B
- Report: 2/8  70-79 % C
- 60-69 % D
- < 60 % F

**Attendance Policy:** The student is to average 3 hours of research per week per hour credit.

**Program Learning Outcomes:** No specific program learning outcomes for this major are addressed in this course.

**General Education Core Curriculum:** This course is not part of the core curriculum.

**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.

Academic Integrity (A-9.1)
Abiding by university policy on academic integrity is a responsibility of all university faculty and students. Faculty members must promote the components of academic integrity in their instruction, and course syllabi are required to provide information about penalties for cheating and plagiarism as well as the appeal process. 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) falsification or invention of any information, including citations, on an assignment; 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 include, but are not limited to: (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 the Internet or another source; and (3) incorporating the words or ideas of an author into one's paper or presentation without giving the author due credit. Please read the complete policy at http://www.sfasu.edu/policies/academic_integrity.asp and http://www.sfasu.edu/policies/academic_appeals_students.asp Penalties may include no credit or failure in the course.

Withheld Grades - Semester Grades Policy (A-54)
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 semesters, 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.

Acceptable Student Behavior
Classroom behavior should not interfere with the instructor's ability to conduct the class or the ability of other students to learn from the instructional program (see the Student Conduct Code, policy D-34.1). Unacceptable or disruptive behavior will not be tolerated. Students who disrupt the learning environment may be asked to leave class and may be subject to judicial, academic or other penalties. This prohibition applies to all instructional forums, including electronic, classroom, labs, discussion groups, field trips, etc. The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom. Students who do not attend class regularly or who perform poorly on class projects/exams may be referred to the Early Alert Program. This program provides students with recommendations for resources or other
assistance that is available to help SFA students succeed.
http://www.sfasu.edu/policies/student_conduct_code.asp

COVID-19 MASK POLICY: Masks (cloth face coverings) must be worn over the nose and mouth in this class and appropriate physical distancing must be observed. Incidents of not wearing a mask and/or not observing appropriate physical distancing may be reported to the Office of Student Rights and Responsibilities. Students who are reported for multiple infractions of not wearing a mask and/or not observing appropriate physical distancing may be subject to disciplinary actions.