CSCI 5180
Independent Studies Project
Spring 2024

Instructor: Dr. Pushkar Ogale
Email: ogalep@sfasu.edu
Phone: (936) 468-2508
Office: 312D STEM

Office Hours: Monday, Wednesday 1:00 PM – 2:00 PM
Tuesday, Thursday 2:00 PM – 3:30 PM (Other times by appointment only)

If Office hours need Zoom Meeting then the following link can be used:
https://sfasu.zoom.us/j/99317676538?pwd=R0dJRmVteEU4ZHRuVEo1b2E5allyUT09

Department: Department of Computer Science

Class meeting: Based on agreed weekly time slot with Student.

Credit hours 1 - 6

Pre-requisites: Approval of the project director and of the department chair.

Course Description: Design and development of a selected project. May be repeated for a total of six credit hours.

Purpose of Course: To research, specify, design, implement, test, and demonstrate a system of interest to the student under the supervision of the student's project director. More: http://sfasu.edu/docs/computer-science/graduate-course-CSCI5180.pdf

Course Contact Hours and Study Hours
This course meets for a minimum of 12.5 contact hours during the semester. During that period, a student meets multiple times with a faculty research mentor to develop a significant project in the field of computer science. Course work will vary depending on the specific subject. Students have significant reading assignments and reading from the primary literature. Students are expected to complete a significant project, make a presentation, and complete a written summary of accomplishments that is presented to the faculty mentor. Successful completion of these activities requires a minimum of 2 additional hours each week.

Program Learning Outcomes:
Program learning outcomes define the knowledge, skills, and abilities students are expected to demonstrate upon completion of an academic program. These learning outcomes are regularly assessed to determine student learning and to evaluate overall program effectiveness.

- Students majoring in the Department of Computer Science may access program learning outcomes at http://www.sfasu.edu/academics/colleges/sciences-math/computer-science/about/accreditations

Student Learning Outcomes:
In general, SLOs in a course are specific and include the exact knowledge, skill or behavior taught in the course in support of the more global PLOs. For additional information on meaningful and measurable learning outcomes, see the assessment resource page http://www.sfasu.edu/assessment/index.asp.

Grading Policy: Grading is based on successfully completing and demonstrating the functioning product.

Educational Objectives:
The goal of this course is to provide the student experience in developing the concepts and skills required to implement a complete system. Student evaluation will be based on successful development, and presentation of a project system.

Upon successful completion of the course, students should be able to:
1. Demonstrate knowledge of the issues and problems in requirements analysis and specification of a system.
2. Demonstrate skills in the design of a system.
3. Demonstrate implementation and testing skills.
4. Relate design, analysis, and implementation to application performance requirements.
5. Develop and extend system and user interface documentation techniques.
6. Analyze example systems, noting advantages and disadvantages, and potential for improvement.

**CONTENT**

| Project Selection and Resource Search | .......................................................................................................................... Variable |
| Requirements Analysis and Specification | .......................................................................................................................... Variable |
| System Design | .......................................................................................................................... Variable |
| System Implementation and Testing | .......................................................................................................................... Variable |
| System Interface and Documentation | .......................................................................................................................... Variable |
| System Demonstration and Report | .......................................................................................................................... Variable |

**CLASS INFORMATION AND POLICIES**

Department of Computer Science, STEM 312, 468-2508

**Artificial Intelligence Fair-Use Policy:** The emergence of generative AI tools (such as ChatGPT) has sparked interest among many students in our discipline. The use of these tools for brainstorming ideas, exploring possible responses to questions or problems, and creative engagement with the materials may be useful for you as you craft responses to class assignments. While there is no substitute for working directly with people, the potential for generative AI tools to provide automatic feedback, aid in internet search, provide suggestive study materials, and other assistive technology is developing. While all submitted work should be that of your own creation, please feel free to reach out to the instructor well in advance of the due date of assignments if you may be using generative AI tools.

**Faculty Notification Requests (formerly Absence Notifications)**
The Dean of Students Office will help to notify faculty of a student’s absence for certain parameters. You can go [HERE](#) to learn more about this new process and also submit the form. It is still at the faculty member’s discretion on any missed assignments, tests, etc.

**Examination Policy:** All class examinations are considered to be a major part of the course work upon which depends a large part of the course grade. There are NO make-up exams! Class examinations will be announced at least two classes prior to the examination. If you have a conflict with another university event, you must contact me in advance of the examination. In case of an extreme emergency, contact me before the scheduled examination. Failure to do so may result in an examination grade of zero. There are no exemptions for the final examination and no changes in taking the final examination. All students must take the final exam. A zero on the final exam will result in an F in the course. Check the final examination time, if that time is a problem, you must drop this course. Once the first person has left the room on the day of an examination, no one else will be permitted to begin the exam.

**Assignment Policy:** All assignments are due at the announced time on the specified due date. Assignments will not be accepted late. If you have a conflict, please contact me in advance. You should turn in your homework assignments done neatly, clearly, and to the best of your ability. Follow all the instructions given. You will lose points for failure to follow instructions. Any work turned in to my box should be dated and timed by the CSC department staff. **DO NOT** slide any work under my office door or under the door to the Computer Science offices. PLEASE NOTE: You may be given assignments during the last five class days of the semester.

**Software Policy:** Disciplinary action will be taken against individuals who perform unauthorized duplication of software or who are involved in unauthorized use of duplicated software. Such action may make it impossible for you to successfully complete this course.

**Computer Laboratory Usage:** Students utilizing equipment in university computing laboratories are expected to read and abide by all posted policies for the laboratories. Please note that no children and no pets are permitted in university computing laboratories.

**Drop Policy (Univ.):** The official university add/drop policy is located at [https://www.sfasu.edu/docs/hops/04-103.pdf](https://www.sfasu.edu/docs/hops/04-103.pdf). If you have questions concerning registration, add/drop, or the withdrawal process, please refer to the Registrar’s website.

**Computer Account Policy:** All assignments that require the use of the University Computer must be done under the computer account that is assigned to you in this class. You should NOT do other class assignments in this account, and you should NOT do assignments from this class in other accounts. Failure to abide by the above statements will mean that you will receive a grade of F in this course.

**Code of Student Conduct and Academic Integrity (HOP 04-106)**
The Code of Student Conduct and Academic Integrity outlines the prohibited conduct by any student enrolled in a course at SFA. It is the responsibility of all members of all faculty, staff, and students to adhere to and uphold this policy.

Articles IV, VI, and VII of the new Code of Student Conduct and Academic Integrity outline the violations and procedures concerning academic conduct, including cheating, plagiarism, collusion, and misrepresentation. Cheating includes, but is not limited to: (1) Copying from the test paper (or other assignment) of another student, (2) Possession and/or use during a test of materials that are not authorized by the person giving the test, (3) Using, obtaining, or attempting to obtain by any means the whole or any part of a non-administered
test, test key, homework solution, or computer program, or using a test that has been administered in prior classes or semesters without permission of the Faculty member, (4) Substituting for another person, or permitting another person to substitute for one’s self, to take a test, (5) Falsifying research data, laboratory reports, and/or other records or academic work offered for credit, (6) Using any sort of unauthorized resources or technology in completion of educational activities.

Plagiarism is the appropriation of material that is attributable in whole or in part to another source or the use of one’s own previous work in another context without citing that it was used previously, without any indication of the original source, including words, ideas, illustrations, structure, computer code, and other expression or media, and presenting that material as one’s own academic work being offered for credit or in conjunction with a program course or degree requirements.

Collusion is the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any provision of the rules on academic dishonesty, including disclosing and/or distributing the contents of an exam.

Misrepresentation is providing false grades or résumés; providing false or misleading information in an effort to receive a postponement or an extension on a test, quiz, or other assignment for the purpose of obtaining an academic or financial benefit for oneself or another individual or to injure another student academically or financially.

**Withheld Grades Semester Grades Policy (HOP 02-206)**

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 coursework 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 to compute the grade point average. For additional information, go to [https://www.sfasu.edu/docs/hops/02-206.pdf](https://www.sfasu.edu/docs/hops/02-206.pdf)

**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 promptly may delay your accommodations. For additional information, go to [http://www.sfasu.edu/disabilityservices/](http://www.sfasu.edu/disabilityservices/)

**Student Wellness and Well-Being**

SFA values students’ overall well-being, mental health and the role it plays in academic and overall student success. Students may experience stressors that can impact both their academic experience and their personal well-being. These may include academic pressure and challenges associated with relationships, emotional well-being, alcohol and other drugs, identities, finances, etc.

If you are experiencing concerns, seeking help, SFA provides a variety of resources to support students’ mental health and wellness. Many of these resources are free, and all of them are confidential.

**On-campus Resources:**

The Dean of Students Office (Rusk Building, 3rd floor lobby), Website: [www.sfasu.edu/deanofstudents](http://www.sfasu.edu/deanofstudents)

Phone: 936.468.7249 Email:dos@sfasu.edu

SFA Human Services Counseling Clinic Human Services, Room 202, Website: [www.sfasu.edu/humanservices/139.asp](http://www.sfasu.edu/humanservices/139.asp)

Phone: 936.468.1041

The Health and Wellness Hub “The Hub”, Location: corner of E. College and Raguet St.

To support the health and well-being of every Lumberjack, the Health and Wellness Hub offers comprehensive services that treat the whole person – mind, body and spirit. Website: [www.sfasu.edu/thehub](http://www.sfasu.edu/thehub), Phone: 936.468.4008, Email: thehub@sfasu.edu

Services include:

- Health Services
- Counseling Services
- Student Outreach and Support
- Food Pantry
- Wellness Coaching
- Alcohol and Other Drug Education

**Crisis Resources:**

- Burke 24-hour crisis line: 1.800.392.8343
- National Suicide Crisis Prevention: 9-8-8
- Suicide Prevention Lifeline: 1.800.273.TALK (8255)
- Crisis Text Line: Text HELLO to 741-741