Office Hours: M, W 2:30 pm - 4:00 pm  
T, Th 8:00 am - 9:00 am, 11:00 am - 1:00 pm  
I will gladly make appointments for other times.

Note: Due to the COVID-19 crisis, no face-to-face meeting will take place. Any advising will be done via email, phone or video. For email or phone, please use my info given above to contact me. For video, please join the following zoom meeting sessions:
Join Office Hour Zoom Meeting  
https://sfasu.zoom.us/j/94680651425?pwd=NGozc3ZWbjFjK2owNFPNMWsrZTBQT09

Class Info: Credit Hours: 3  
Time: T, Th 2:00 pm - 3:15 pm  
Location: STEM 316 and via zoom (see link below)

Note I: The class will follow the Hybrid (face-to-face and livestream) modality as per the SFASU guidelines. The instructor will assign each student the days on which they may attend the class via face-to-face. All remaining classes, the student is expected to attend via zoom livestream.  
Join Class Zoom Meeting  
https://sfasu.zoom.us/j/98011655854?pwd=SzhnNXJSMUsvAR1akt3NjBxdIBUQT09

Note II: Masks (cloth face coverings) must be worn over the nose and mouth at all times in this class and appropriate physical distancing must be observed. Students not wearing a mask and/or not observing appropriate physical distancing will be asked to leave the class. All incidents of not wearing a mask and/or not observing appropriate physical distancing will 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.  

Prerequisites: CSCI 2302 and CSCI 2311.

Grade Reminder: Must have a grade of C or better in each prerequisite course.

Catalog Description: Use of a modern object-oriented programming language for industrial applications emphasizing contemporary development practices. Comprehensive programming assignments.

Purpose of Course: To explore parallel computing using multithreading concepts of a modern programming language. To familiarize students with advanced object-oriented modeling and programming techniques and provide exposure to interactive software development.
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

Text and Material:
Albahari, J. Threading in C, 2011
Miles, R. C Programming Yellow Book, 2016

Course Requirements: Students are expected to attend classes and ensure they have understood the material being taught. Students are encouraged to ask questions and get their difficulties resolved while in class. There will be regular quizzes(8), homework assignments(6) and examination to test the student understanding of the material. The grade percentage to these components are specified in the Grading Policy below.

Course Calendar: This course meets for a minimum of 37.5 lecture contact hours during the semester, including the final exam. Students have significant weekly reading assignments. Students are expected to complete 6-7 significant programming assignments, and 2-3 periodic exams in addition to the final exam. Students are expected to prepare for any class assignments or quizzes over the material covered in class or in the reading material. Successful completion of these activities requires at a minimum six additional hours of outside of classroom work each week.

Grading Policy:

- Attendance ............5% (bonus for full attendance only)
- Quizzes .................................................10%
- HW Assignments/Projects ..........................30%
- Examination 1 .............................15%
- Examination 2 ....................................15%
- Final Examination ...............................30%

Exam Note: Examinations are weighted at 60% of the overall course grade. Valid student ID cards must be presented on each examination day. (No ID... No exam...Grade of zero)

Assignments: Class assignments (HW assignments/Project) will total 30% of the course grade.

Attendance policy: Attendance and constructive class participation is expected. There is no specific grade for attendance. But students who have full attendance except for one unexcused absence will qualify for 5% bonus grade. Students traveling for University business/events and those out sick will be excused after they turn in a medical note of absence or University related activity letter from the appropriate authorities.

Educational Objectives: Upon successful completion of the course, students should be able to:

1. Apply features of a modern object-oriented language, including use of library components.

2. Implement a variety of applications using a contemporary object-oriented programming language.
3. Develop programs whose computation can be split into concurrently running tasks.
4. Demonstrate understanding of threads and multi-threaded systems.
5. Demonstrate understanding of parallel computing concepts.
6. Design software with a front end (interface) and back end (core) running in parallel.

**Course Content:** The following topics with estimated hours spend on each is listed below:

- Introduction to Modern Object Oriented programming language (3)
- Introduction to Advanced Objected Oriented programming (8)
- Introduction to Graphical Interface Design (3)
- Introduction to Threads (14)
- Parallel Programming (14)
- Exams (3)

A more detailed listing of the topics is available at [http://sfasu.edu/docs/computer-science/undergraduate-course-CSCI3331.pdf](http://sfasu.edu/docs/computer-science/undergraduate-course-CSCI3331.pdf)

**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)

**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.

**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/)

**CLASS INFORMATION AND POLICIES**
Department of Computer Science, STEM 312, 468-2508

**Attendance:** Seating assignments will be made, and roll will be taken regularly. Attendance may be taken into consideration for your final grade. If you come to class, you are expected to be present and awake the
entire class period unless you have been given permission to leave early. If you are absent from class, please
make sure to get notes from a classmate. There will be no smoking, no chewing of tobacco, no eating or
drinking, no bare feet, and no cell phone use during class. Cell phones and other electronic communication
devices must be turned off during class. Possession of a cell phone or other electronic communication device
during an exam will result in an examination grade of zero. No disruptive behavior including offensive
language will be tolerated in a computer science facility or related activity. Such behavior may result in
administrative removal from class. Only students officially registered for the course and approved assistants
may attend class. Please do not walk across the front of the room after the class has started. Students
entering the classroom after the lecture has started should take a seat in the back of the room.

**Examination Policy:** All class examinations are considered to be a major part of the course work upon
which a large part of the course grade depends. 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 well 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
time. If the final examination time is a problem, you need to 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. Please ask nicely. 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 the 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:
http://www.sfasu.edu/policies/add_drop.asp.
If you have questions concerning registration, add/drop or the withdraw process, contact the Registrar at
(936) 468-2501 or E-mail: REGISTRAR@SFASU.EDU. The Registrar is located on the 2nd floor of the
Rusk building.

**Special Accomodation Requests:** To obtain disability related accommodations, alternate formats and/or
auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Ser-
vice 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/

Students with special accommodation requests have the responsibility to immediately initiate a meeting
with the instructor to discuss how the special accommodations will be provided. Students who are aware of
these special needs at the beginning of the semester must inform the instructor in person before the twelfth
class day about any class activity, which will require special accommodations.

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 received a grade of F in this course.

Academic Integrity: Additional information: All instances of academic dishonesty will be reported to
Office of the Dean of the student’s major. This report shall be made part of the student’s record and shall
remain on file with the Dean’s office for at least four years. Instances of academic dishonesty may also be
reported to the University Committee on Academic Integrity. A student who wishes to appeal decisions
related to academic integrity follows procedures outlined in University policy A-9.1.

If in the instructor’s judgment an instance of academic dishonesty on an examination has occurred, a
grade of zero will be assigned as the examination grade and a minimum of one (1) letter grade will be lost in
the course grade. Possession of a cell phone or other electronic communication device during an
exam will result in an examination grade of zero. A course grade of F may be assigned depending on
the situation. A student found cheating on an examination may not drop the course. If a student is judged
to be cheating on any part of a homework assignment or quiz, the student will receive negative points
equal to the value of the entire homework/quiz. A negative grade will not be replaced by any possible bonus
assignment. Both person who did the work (homework, quiz, test) and the person copying the
work will be considered as cheating. A recurrence of this by any individual will result in a grade of F
in the course. DO YOUR OWN WORK!!!!! Do NOT show your code to other students!!!

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.
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