Anne Marie Eubanks
Department of Computer Science
College of Sciences and Mathematics
312P Ed and Gwen Cole STEM Building (#12 on campus map)
eubanksanne@sfasu.edu & within your D2L class
Department of Computer Science Office Phone Number: 936.468.2508

Office Hours – Online, Zoom Meeting & In-Person
Monday: 11:00 a.m. – 2:20 p.m.
Tuesday: 11:20 a.m. – 12:20 p.m.
Wednesday: 11:00 a.m. – 2:20 p.m.
Thursday: 11:20 a.m. – 12:20 p.m.
The office hours above are just a starting point. I am often online and I am frequently available outside these hours. Please feel free to Page any time you see me online. You may also email me at any time; typically during the school/business days, I will respond within 24 hours.

I will gladly make appointments for other times; either online, in person, or schedule a Zoom meeting. Please note, when scheduling a Zoom meeting, advanced notification is needed to accommodate scheduling.

Zoom Meeting Information:
The Zoom Office Hours are hosted with a waiting room and you will be muted. This accommodates privacy just as it is in person. I will admit you as soon as I can.

All SFA students have a pro Zoom account. When signing into Zoom, do not log in to Zoom with Google or Facebook accounts, as this will result in them creating extra Zoom accounts that you do not need and will not have all the pro features. To authenticate and log into a Zoom meeting, follow the steps provided here: How to join a Zoom meeting.

Please see the D2L Office Hours Content Page for Zoom meeting ID and password.

Email: The course requires that you have and use your SFA Jacks email account. You are responsible for messages sent by course instructors and other SFA officials to your SFA Jacks email address. Due to FERPA restrictions, any email correspondence regarding this course must be sent to me from your SFA Jacks email account only; due to this, emails sent to me from an address other than your official SFA email address will not receive a response. You are responsible for checking your email daily.
D2L: The course has a D2L site that can be found at d2l.sfasu.edu. You may also use this email. Keep in mind that D2L is an intrasystem, meaning that you must be logged in to D2L and can only access individuals who are on the Class list of that particular course. You are responsible for all announcements and materials presented on this web page, so you must check it daily. If you do not have access to our class D2L page for any reason, you must contact me. Also, get in touch with the Center for Teaching and Learning Tech Support, Phone: 936.468.1919 or email: d2l@sfasu.edu; their hours are Monday - Friday, 8 a.m. - 5 p.m. CST.

SFA is adhering to Governor Greg Abbott’s Executive Order (GA-38).

Abiding by the principles of respect and care for each other is The SFA Way. The five principles of The SFA Way include Respect, Caring, Responsibility, Unity and Integrity. Individuals who responsibly care for their own health, and seek to protect that of others around them, are certainly living up to The SFA Way. Ways we can do this include:

- Get vaccinated at any locally available site.
- Wear a face covering or mask in public indoor settings, to protect others.

Additional information is available on the Fall 2021 Campus Protocols website.

Class meeting time and place: CSCI 2302.002
10:00 a.m. – 10:50 a.m. Monday, Wednesday, and Friday
All class meetings will be recorded via Zoom to accommodate the Livestream.

In-Person:
Ed and Gwen Cole STEM Building (# 12 on the campus map)
Room 318

Livestream:
Please see the Class Information D2L Content Page for the meeting ID and password. The livestream meeting is set up with a waiting room. At the beginning of class, you will be admitted. You must have your camera on when joining livestream. Note that when you are admitted, you will automatically be muted. You will need to unmute when you want to ask a question. Questions in Chat will be addressed.

Prerequisites: CSCI 1302
Grade Reminder: Must have a C or better in each prerequisite course.

Credit Hours: 3

CSCI 2302 “Computer Programming Principles” (3 credits) typically meets twice each week or three times each week for an average of 2,250 minutes during a semester, there are 150 asynchronous minutes and a 2-hour final examination. Students have significant weekly reading assignments. Students are expected to complete 8 - 9 homework assignments, 8 - 17 laboratory or programming assignments, and 6 - 7 periodic exams in addition to the final exam. Students are expected to prepare for any in-class assignments or quizzes over the material covered in class or in the reading material. These activities average at a minimum 6 hours of work each week to prepare outside of classroom hours.
Computer Science Program Accreditations
The Bachelor of Science degree with a major in Computer Science is accredited by the Computing Accreditation Commission (CAC) of ABET, Inc., the recognized accreditor of college and university programs in applied science, computing, engineering and technology. ABET accreditation demonstrates a program’s commitment to providing its students with a quality education.

Hybrid Course: SFA defines a hybrid course as a course that is delivered as a blend of face-to-face and online, face-to-face and livestream, or online and livestream. Classes meet at regular, scheduled intervals. Your faculty will share the dates and times when on-campus or livestream attendance is required.

Our Course: Our course is listed as a hybrid course; as such, I will hold class during our meeting times which will be recorded as Zoom video presented livestream and posted on D2L. Please feel to attend in person, or livestream. On examination days, you may attend in person or you may choose to take the exam online in the Quizzes in D2L. If you choose to take the exam online, you must use the Google Chrome web browser with the Proctorio web extension enabled. Exams will only be available during class times.

Notice: If for any reason we are required to attend only online, class meetings will be asynchronous and exams will be given only online.

Technology Requirement
It is your responsibility to acquire a consistent, stable, dependable computer and internet connection with which to complete the assignments for the course by the deadlines indicated on the Semester Calendar. It is not the responsibility of the instructor to provide additional time for assignments or exams or an alternative means of completing the course due to technological issues on your part. On campus, you may use the Department of Computer Science’s Open Lab in STEM 206 or the Library Linc in the Ralph W. Steen Library.

Catalog Description
Problem solving and algorithm design, program structures, data types, software development methods, and programming style.

Purpose Of Course
To introduce a disciplined approach to problem solving methods and algorithm development; to introduce procedural and data abstraction; to teach program design, coding, debugging, testing, and documentation using good programming style; to teach a block-structured high-level programming language; and to provide a foundation for further studies in computer science.

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.

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

1. Apply a disciplined approach to problem solving and algorithm design.
2. Use the following: strategies for problem solving, techniques for analyzing problems and defining requirements, tools for representing algorithms, and methods for verifying and validating algorithms and programs.

3. Write programs in a modern block-structured procedural programming language.

4. Design and, by means of the programming language being learned, implement imperative solutions to moderately complex problems.

5. Demonstrate through artifact creation and testing, a solid knowledge of and an ability to properly use these programming features and facilities: data types, fundamental data structures (arrays, records, and arrays of records) control structures, procedures, functions, parameters, text files, and binary files.

6. Demonstrate through artifact creation, familiarity with abstract data types, pointers, and recursion.

7. Use operating system tools (command system, editor, compiler, linker, and loader) in single and multiuser environments.

8. Write cooperatively on software development projects.

Course Requirements:
This course will be making use of the SFASU D2L Learning Management System. Students are encouraged to complete the D2L Student Tutorials.
This is a face-to-face/livestream class and student success is dependent upon being present at every class meeting.

Required Materials (to be used in class every meeting):
- USB Flash Memory Drive

Content

| Computer Terminal or Microcomputer Skills Review | 1 |
| Use of operating system and editor command languages |

| Problem Solving and Algorithm Design | 10 |
| Strategies for problem solving--problem decomposition, solution by analogy |
| Problem analysis and requirements definition--understanding the problem, describing the output requirements, identifying the input data |
| Algorithm representation--pseudocode and graphical techniques including structure charts and flowcharting |
| Algorithm verification--desk checking with and without test data |
Program Structures ....................................................................................................................................... 10
  Control structures--sequential, iterative, and selective
  Subprograms--procedures and functions, parameters, scope of identifiers, subprogram nesting, and introduction to recursion

Data Types, Operations, and Storage ......................................................................................................... 14
  Standard scalar types--integer, real, boolean, character
  Structured types--arrays, character strings, records, arrays of records
  Standard user-defined types--subrange, enumerated
  Introduction to abstract data types
  Files--text files for data, source programs, and operating system commands; binary files for data, object programs, and load modules

Program Development--Methods and Style .................................................................................................. 7
  Design--procedural abstraction, data abstraction, top-down design and stepwise refinement, modular design, block structure, information hiding
  Coding--use of structured control statements and modern programming style including proper indentation and choice of appropriate descriptive identifiers
  Program debugging and verification--generation of test data, debugging techniques including manual and built-in tracing as well as use of stubs and drivers, top-down versus bottom-up testing External and internal program documentation techniques

Exams (Plus Final) ...................................................................................................................................... 3

TOTAL 45

References
  Online PDF version: http://linuxcommand.org/tlcl.php
  Online PDF version: https://sophia.javeriana.edu.co/~cbustaca/docencia/POO-2016-01/documentos/Thinking_in_Java_4th_edition.pdf

Course Calendar/Timeline:
Tentative Timeline:

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>Review</td>
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<td>Review Assignment</td>
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<td>2</td>
<td>Unix Environment</td>
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<td></td>
<td>Multidimensional Arrays</td>
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<td>3</td>
<td>Objects &amp; Classes</td>
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<td>4</td>
<td>Object-Oriented Thinking</td>
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<td>5</td>
<td>Object-Oriented Thinking</td>
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<td>6</td>
<td>Object-Oriented Thinking</td>
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<td>Exam 1</td>
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CSCI 2302 Syllabus & Class Policy

Grading Policy:

End of Course Grade: There are a total of 1,000 possible points in the course. End of course letter grades will be based on the number of points earned.

<table>
<thead>
<tr>
<th>Points Earned</th>
<th>Letter Grade</th>
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<tbody>
<tr>
<td>900 - 1,000</td>
<td>A</td>
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<tr>
<td>800 - 899</td>
<td>B</td>
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<tr>
<td>700 - 799</td>
<td>C</td>
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<tr>
<td>600 - 699</td>
<td>D</td>
</tr>
<tr>
<td>0 - 600</td>
<td>F</td>
</tr>
<tr>
<td>Missing the final Exam</td>
<td>F</td>
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</table>

This course is incorporated into students’ grade point average (GPA) as listed in the Course Grades.

A student who wishes to appeal the final grade must follow the procedure listed in the Final Course Grade Appeals by Students.

Desire2Learn: This course will use the Desire2Learn Management System. The course login page may be accessed directly, https://d2l.sfasu.edu/. All grades will be posted in the D2L Grade Page. You are responsible for all announcements and materials presented on this web page, so you must check it daily. If you do not have access to our class D2L page for any reason, you must contact me. Also, get in touch with the Center for Teaching and Learning Tech Support, or Phone: 936.468.1919 or email: d2l@sfasu.edu; their hours are Monday - Friday, 8 a.m. - 5 p.m. CST.

Examinations are worth 50% of the course grade. See class calendar in D2L for the dates, tentative dates listed (except for the Final).
- Exam 1: October 1, 2021 – worth 125 points (12.5% of course grade)
- Exam 2: November 5, 2021 - worth 125 points (12.5% of course grade)
- Comprehensive Final Examination worth 250 points (25% of course grade)
NO Exemptions  
Monday, December 6, 2021, 10:30 a.m. – 12:30 p.m.

All class examinations are considered to be a major part of the course work upon which a large part of the course grade depends. Class examinations will be announced at the start of the semester.

**Examination Policy:** 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 will result in an examination grade of zero.

On examination days, you may attend in person or you may choose to take the exam online found in the Quizzes in D2L. Exams will only be available during class times, with the exception of the Final Exam (that will be available all day).

**In-class attendance:** You may choose to take a paper exam or the online exam. Once a student leaves the room on the day of an examination, they will not be permitted to return. Once the first person has left the room on the day of an examination, no one else will be permitted to begin the exam. Possession of a cell phone or other electronic communication device during an exam will result in an examination grade of zero.

**On-line:** If you choose to take the exam online, you must use the Google Chrome web browser with the Proctorio web extension enabled. Reminder: exams will only be available during class times.

**Note:** 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 the final examination time is a problem, you need to drop this course. Please see the SFASU Final Examination Schedule policy for more information.

**Assignments and Quizzes:**
Assignments and quizzes are worth 50% of the course grade. Periodic in class and online quizzes will be given. Assignments/quizzes will be of unequal weight. Not all assignments/quizzes will be graded.

In order to pass this course, your programs/labs must have an average of 60% or higher.

All assignments are due at the announced time on the specified due date. If you have a conflict, please contact me in advance. Please Note: You will be given assignments and quizzes during the last five class days of the semester. No Make ups.

Specific exam dates and assignment due dates will be available on the Calendar tool in the D2L management system. Once registered, students can access D2L via d2l.sfasu.edu using their mySFA username and password.

**Help Support Resources:**

**AARC Tutors:** The AARC tutors are in in 206 Ed and Gwen Cole STEM Building. You may use this time to get help from the tutors, or to use the lab computers. Please see the Content Page in D2L for specific times.
Open Lab - in 206 Ed and Gwen Cole STEM Building
- Monday – Thursday: 9:00 a.m. – 5:00 p.m.
- Friday: 9:00 a.m. – 3:00 p.m.
You may use the lab computers during this time.

The Library Linc is open:
- The Library Linc has the software that we use in this course.
- Please see Ralph W. Steen Library Hours for specific times.

Participation: Participation in the course is essential and may be taken into consideration for your final grade.

Attendance: Roll will be taken regularly. Attendance and participation may be taken into consideration for your final grade. You may attend class face-to-face or livestream via Zoom. If you are absent from class, please make sure to obtain notes from a classmate.

Coming Late to Class/Leaving Early: Students are encouraged to come to class on time and to stay for the entire class period. However, students are allowed to come late and leave early, as long as they do their best to minimally disrupt class when they arrive/leave and don’t make a habit out of coming late and/or leaving early.

Missing Class: I make no distinction between a good and a bad reason to miss class, so there is no need to bring me a note. If you miss class and want class notes of that day’s lecture, please obtain the notes from a fellow student. Each class meeting’s Zoom video will be posted on the Content Page in D2L. Please note the examination policy.

In-class Attendance: Please remember to follow the SFA policy of a face covering, there is no smoking, no chewing of tobacco, no eating or drinking, no bare feet, and no cell phone use during class. Inappropriate student behavior and offensive language in class, computer science facility or other related activity will not be tolerated. Do not sleep in class, I will wake you up. Only students officially registered for the course and approved assistants may attend class.

Livestream Attendance: You need to have your camera enabled and be in an environment that is conducive to learning and not distracting (including an environment that is not distracting to your fellow classmates). Make sure to have your computer set up to be able to follow along with the class activity. Feel free to keep your microphone muted, just remember to unmute when you need to ask a question. Inappropriate student behavior and offensive language in class, computer science facility or other related activity will not be tolerated. Questions in the Chat will also be addressed.

Acceptable Student Behavior: SFA Policy manual states the 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. 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 iCare Early Alert Program. This program provides students with recommendations for resources or other assistance that is available to help SFA students succeed.

**Academic Integrity**: Please review the University policy on Academic Integrity. 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:
- using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class;
- the falsification or invention of any information, including citations, on an assigned exercise; and/or
- 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:
- submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another;
- submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and
- incorporating the words or ideas of an author into one's paper without giving the author due credit.

If in my judgment an instance of academic dishonesty on an EXAM has occurred, a grade of zero will be assigned and a minimum of one (1) letter grade will be lost in the course grade. A Report of Academic Dishonesty will be filed. Please note that being in possession of a cell phone or other electronic device during an exam will result in an examination grade of zero. A student found cheating on an examination may not drop the course.

If in my judgment a student is found 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 will be given. A Report of Academic Dishonesty will be filed. A negative grade will not be replaced by any possible bonus assignment. I consider the person who did the work (homework, quiz, and test) and the person copying the work as both cheating.

Do your own work. Do not share your work with others. A course grade of F may be assigned depending on the situation.

All instances of academic dishonesty will be reported to Office of the Dean of the student’s major and to the Chair of the Department of Computer Science. 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 dishonesty should follow procedures outlined in Academic Appeals by Students.

For more information regarding SFA’s Academic Programs and Policies, please see SFASU’s Bulletin.

Identification: Valid SFA student I.D. cards with CID (not SSN) must be presented on each exam day. (No I.D... No exam...Grade of zero.)

University Drop Policy: If you have questions concerning registration, add/drop or the withdraw process, contact the Registrar at (936) 468-2501 or E-mail. The Registrar is located on the 2nd floor of the Rusk building.

Withheld Grades, Semester Grades Policy: At the discretion of the instructor of record and with the approval of the academic unit head, 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 the specified time frame agreed upon if a WH is approved. If the work is not completed by then, the grade automatically becomes an F, except as allowed through policy [i.e., Active Military Service (6.14)]. 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.

Special Accommodation Request: Students with special accommodation 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 or via email about any event which requires special accommodations.

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, 936.468.3004 / 936.468.1004 (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, please contact Disability Services, 936.468.3004; office hours are Monday through Friday 8:00 a.m. – 5:00 p.m.

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

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

Mental Health and Wellness
SFASU values students’ mental health and the role it plays in academic and overall student success. SFA provides a variety of resources to support student’s mental health and wellness. Many of these resources are free, and all of them are confidential.
On-campus Resources:
SFASU Counseling Services
www.sfasu.edu/counselingservices
3rd Floor Rusk Building
936-468-2401

SFASU Human Services Counseling Clinic
www.sfasu.edu/humanservices/139.asp
Human Services Room 202
936-468-1041

Crisis Resources:
Burke 24-hour crisis line 1(800) 392-8343
Suicide Prevention Lifeline 1(800) 273-TALK (8255)
Crisis Text Line: Text HELLO to 741-741