Computer Science 321 - Programming Methods and File Structures

CSC 321.001  STEM Building, Room 316  12:30-1:45 TR  Spring 2019

Instructor Information:  Bill Long  McKibben Building, Room 304G  (936) 468-1765  wlong@sfasu.edu

Office Hours:  (subject to change)
MW  11:00-11:30; 1:30-2:00
TR  11:00-11:30; 2:00-2:30
F - by appointment only

Required Materials:

Course Description: Programming efficiency techniques, debugging techniques, and file processing for applications in business. Comprehensive programming assignments. Prerequisites: CSC 201 or 202; CSC 211.

Student Learning Outcomes:
Upon successful completion of the course, students should be able to:
1. Create well-designed programs.
2. Implement methods of developing software systems.
3. Design and implement solutions to business problems.
4. Demonstrate an understanding of a business applications programming language.
5. Demonstrate basic knowledge of file design.

Course Calendar/Timeline:
http://www.sfasu.edu/academics/colleges/sciences-math/computer-science/about/faculty-resources

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Grading Policy:

Exams:  (80% of the course grade).
- Test 1  (20%)  Ch. 3-4, 6-7
- Test 2  (25%)  Ch. 8-11, 14
- Final  (35%)  Ch. 12-13, 15

All exams will include material not covered in the textbooks and will include information from previous tests. There are no exemptions for the final examination. Check the final exam time. If the final exam time is a problem then you need to drop this course.

Assignments:  (20% of the course grade)
- 8-12 programs, each considered a separate grading unit (20 points per unit)
- Ad Hoc Quizzes, each considered a separate grading unit (points per unit vary)
- Extra-credit assignments may be given, each considered a separate grading unit (points per unit vary)
- At the instructor's discretion, some assignments may not be graded, in whole or in part

Note:  you may be given assignments during the last five days of the semester (dead week).

Per SFA Policy 5.4, there is: an amount of student work per credit hour that reasonably approximates not less than one hour of class or direct faculty instruction and two hours of out-of-class student work per week for fifteen weeks over a long semester, or the equivalent amount of work over a different amount of time.
Department of Computer Science
Class Information and Policies

Department Information:
McKibben Building, Room 304   (936) 468-2508   P.O. Box 13063, Nacogdoches, TX  75962

Attendance: Seating assignments may be made and roll may be taken regularly. Attendance may be used in calculating your final grade. If you come to class, you are expected to be present the entire class period unless you have been given permission to leave early. If you are absent from class, DO NOT ask me to repeat the class lecture. Do not bring food or drinks into the classroom. If you wear large hats, sit on the back row. Keep your feet off of the seat backs. Only students officially registered for the course and approved assistants may attend class.

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. 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. Make-up exams tend to be much harder than the original! A grade of zero will be assigned for any missed unannounced quizzes.

Assignment Policy: Printed assignments are due at the BEGINNING of class (or by an announced time) on the specified due date. Printed assignments that are submitted outside of class before the specified due date must be given to the Department of Computer Science secretarial staff. Electronically submitted assignments are due at 3:07 AM (or by an announced time) on the specified due date. Any assignment submitted to me after I have collected the assignments from the class is considered to be late. As much as 100% of the total credit may be deducted from assignments that are handed in late. You must keep all of your graded homework and any backup copies of assignments until the final grades have been assigned. PLEASE NOTE: You may be given assignments and cover new material during the last five class days of the semester.


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.

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.

Cheating Policy: If in my judgement a student is found cheating on an examination, 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. A course grade of F may be assigned depending on the situation. A student found cheating on an examination may not drop the course.

All other class assignments are to be done INDEPENDENTLY. If in my judgement two or more people hand in assignments that I judge to be the same, a grade of zero will be awarded to all involved assignments and a minimum of one letter grade may be lost in the course grade. A recurrence of this by any individual will result in a grade of F in the course. Students should save all developmental copies of their assignments so that individual development can be verified to me if I think it is necessary. DO YOUR OWN WORK!!!!!

Computing Laboratory Usage: Students who utilize equipment in university computing laboratories are expected to read and abide by all posted policies for the laboratories.

Identification: A valid student I.D. card AND driver license must be presented on each examination day. (No I.D...No exam...Grade of zero)
College Information:
   Miller Science Building, Room 100     (936) 468-2805      P.O. Box 13034, Nacogdoches, TX 75962-3034

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. You may access the program learning outcomes for your major and particular courses at http://www.sfasu.edu/academics/colleges/sciences-math/computer-science/about/accreditations

General Student Policies

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/4.1-student-academic-dishonesty.pdf

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/

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 iCare Early Alert Program. This program provides students with recommendations for resources or other assistance that is available to help SFA students succeed.