ALVIN COMMUNITY COLLEGE

COSC 2420 Advanced Computer Programming - C++

Student Information Plan (SIP)

- Information:
  - Each student will need a textbook.
  - You need a copy of C++ software installed on your computer. A link to the free C++ compiler is found on the Homepage of this course.
  - You need to sign-on to WebCT to get announcements and assignments. These sign-ons can be used to establish course attendance.
  - All communications in this course should occur using the WebCT email function. I understand that you have an ACC email account, but I expect that any communications concerning this course be sent to me using the email function inside of this course. I can only guarantee a response to emails sent inside this course.
  - This course uses some algebra.
  - In the college's labs, we use an external memory stick, USB drive, to save assignments.
  - If this is your first computer programming language, then study very carefully the examples, watch your punctuation, spelling, and letter case.
  - Students wishing to withdraw should consult the procedures detailed in the Class Schedule.
  - This college will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the policy of ACC to provide
reasonable accommodations for qualified individuals who are students with disabilities. It is the student's responsibility to contact the Counseling Center in a timely manner to arrange for appropriate accommodations.

- This is NOT a self-paced course; there are **dead-lines** to meet.
- You must complete half the course by midterm and complete the course by the end of the semester in which you are enrolled.
- If you don't make progress, determined by not taking tests or not turning in programming assignments or not sending necessary email, you could be dropped from the course.

- If you email an assignment to your instructor, start the subject line with the Assignment Identification Number.
- Programming assignments are used to put theory into practice.
- Each programming assignment may count more than the previous assignment.
- The student should create a notebook of debugged programming assignments in assigned order. All entries that are copies of the author's book should NOT be included in the notebook. Use your Programming Notebook, SIP, and textbook (if possible) to show the content of the course if asked by the University.
- Be sure to make a machine readable backup copy of your programming assignments.
- Programming assignments must be saved as an ASCII file with an extension of `.cpp`.

- Some testing is done on the web; some testing is done on campus.
- If you do not take the test on the date(s) that are programmed for WebCT, you must take your test on campus in the computer lab during my office hours. It is the student's responsibility to make arrangement with the instructor to take any missing tests.
- The programming grade will be determined from selected computer programming assignments.
- The major tests counts 70% of the semester average.
- Programming grade counts 30% of the semester average.
- Average = \((\text{MajorTestAverage} \times 0.70) + (\text{Programming Grade} \times 0.30)\)
You must pass the final exam to pass the course.
Email through WebCT address: http://webct.alvincollege.edu
Email takes 24 hours for reply. My workweek, Fall and Spring semesters, is Monday through Friday. Mail received Friday, is responded to Monday. Summer semesters are Monday through Thursday.

Instructor
Name: Gerald Pullen
College Address: Alvin Community College; 3110 Mustang Road
City: Alvin, TX 77511 phone: 281-756-3782
Office Hours are posted on office door at N115.
Distance Education Office: (281)756-3728, de@alvincollege.com
The student should email the instructor their email-address.
The student should email the instructor when starting a new chapter. These emails will be used for gauging student's progress.
Send me an email, stating that you have read this SIP.
When you email the instructor used the assignment identification number and your name in the email subject line.

College Bulletin Grade Ranges
100-90 = A, 89-80 = B, 79-70 = C, 69-60 = D, 59-0 = F

Programming Assignment Documentation
- Each programming assignment must contain Student's Name (first line in the comment block)
- Assignment Identification Number (if available). Otherwise use: Chapter No, Page No, Text No --(second line of the comment block)
- A comment stating what the program will do. -- (third line in the comment block)
- After the comment block, comes the source code.
- Next pages should be the program output, a screen print. A utility on the homepage of this course can be used to create screen prints.
- It is recommended that you created a notebook of completed projects. Any project that was not uploaded by WebCT can also be included in this notebook and turn-in before the final exam week.

Brief Course Description
An introduction to structured programming using C++. The course contains concepts of algorithms design with: control statements, subprograms, loops, files, arrays, and structures. Top-down algorithm design will be emphasized in the programming projects.

Learning Outcomes
Use structured programming techniques; develop correct executable programs; create appropriate documentation; and incorporate pointers and/or arrays to manipulate data.