

CS 1073 Introductory Computer Programming for Scientific Applications Syllabus, Fall 2009

Instructor: Dr. Whaley (whaley@cs.utsa.edu)

Office: SB 4.01.12

Office Hours: TR 3:30-4:30PM, or by appointment.

Office Phone: 458-5545

Class homepage: www.cs.utsa.edu/~whaley/teach/cs1073/

Class hours: Tuesday and Thursday, 2:00PM to 3:15PM.

- Textbook** Fortran 90 Programming, by Ellis, Philips & Lahey.
- Prereq** MAT 1073 Algebra for Scientists and Engineers (or equivalent).
- Grading** There will be at least three exams (one of which is the comprehensive final), which will account for 55-75% of grade. There will also be assignments (20-30%), which will mainly be programming projects but may also include some exercises. Students are expected to be able to explain the workings of their own programs, and may be called upon to do so. If they cannot, no credit will be given for that assignment. 5-15% of grade will come from class participation and/or quizzes.
- Attendance** You are responsible for all material presented in class. Exams and due dates will be scheduled in advance. A grade of zero will be recorded for missed exams unless prior arrangements are made (only allowed in extraordinary circumstances). Assignments must be turned in before their solution is discussed in class, which will typically be the first class after the due date. Assignments will not be accepted after their solution has been discussed in class (resulting in a grade of zero).
- Cheating** Students are encouraged to discuss programs in a general way to gain greater insight. Copying another's code, writing code for someone else, or allowing another to copy your code are cheating, and can result in in a grade of 'F' in the class. Therefore, take precautions so that your old printouts, unattended screen, etc. are not available to other students. Discussing the details of the solution or showing/examining actual code are not acceptable. If you are in doubt whether an activity is permitted collaboration or cheating, ask the instructor.

- Decorum** Students are expected to refrain from side conversation or other distracting behavior in class. Students should arrive on time for class; if late, come in quietly with a minimum of disturbance. All cell phones/pagers/PDAs/etc. should be turned OFF before the beginning of class, and not be consulted in any way during class. Our classroom is also equipped with computers. During lecture or testing, the student must not be logged in, the monitor must be turned off, and the mouse must be placed behind the monitor. During testing, any consultation of an electronic device may result in a grade of zero. Violations of this policy will minimally result in expulsion from the classroom, and repeated violation will result in expulsion from the course.
- Email** Questions about lectures, homework and course organization may be sent to the instructor. I cannot guarantee an immediate response, but will address the issue through direct response, general announcement, or a suggestion to visit during office hours. Last minute questions (i.e. sent the night before an assignment is due) may not be answered before class begins, so tackling problems early is encouraged.
- Regrading** If you believe we have made an error in grading your exam or assignment, you may submit the graded work along with a written request for reconsideration. You must explain in writing clearly and succinctly the reasons your grade should be changed. In fairness to other students, we cannot vary the grading criteria on an individual basis, though suggestions may be taken into consideration for future classes.
- Material** This class will teach you how to program in Fortran 90. Topics include (but are not limited to): (1) Basic computer concepts, (2) simple software development under Linux/Unix, (3) data types and precision (4) loops, arrays and matrices, (5) functions and subroutines, and (6) basics of I/O.
- Disability** If you have a physical, psychological, medical or learning disability that may impact on your ability to carry out assigned course work, I would urge that you contact University Disability Services (DS), Multidisciplinary Studies Building, Room 2.03.18, 210-458-4157 (Voice), 210-458-4981 (TTY), 210-458-4980 (Fax), homepage: <http://www.utsa.edu/disability/>. Please bring a letter to me from the DS indicating your need for academic accommodations within the first week of class. The syllabus and other class materials can be made available in alternative format upon request.