Instructor: C. Boyle  Office: Dragas 1100D  Telephone: 683–6001 (CS department)

Office Hours: posted at http://www.cs.odu.edu/~cboyle

Course website: cs.odu.edu/~cs150

Email: cboyle@odu.edu  Please make sure to include your name and CS 150 in the subject line of your email. If your question concerns lab, be sure to include your lab CRN.

Class Schedule:  
<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>14816</td>
<td>TR 1:30 – 2:45</td>
<td>KAUF 0100</td>
</tr>
<tr>
<td>10709</td>
<td>TR 3:00 – 4:15</td>
<td>CONST 1005</td>
</tr>
<tr>
<td>10710</td>
<td>TR 5:45 – 7:00</td>
<td>OCNPS 0200</td>
</tr>
</tbody>
</table>

Catalog Course Description: Lecture 3 hours; Laboratory 2.5 hours; 4 credits
Prerequisites: MATH 102M or equivalent. Laboratory work required. Introduction to computer-based problem solving and programming in C++. Topics include problem solving methodologies, program design, algorithm development, and testing. C++ language concepts include variables, data types and expressions, assignment, control-flow statements, arrays, sorting, functions, pointers, and linked lists.

Course Objectives: This course will provide an introduction to problem solving using the C++ programming language. At the conclusion of this course the student should be able to:
- Apply various problem-solving techniques to develop algorithms.
- Use a computer to input, compile, run and debug a C++ program.
- Write well-documented programs using the basic elements of C++, including selection statements, loops, functions, arrays, pointers, and linked lists.

Textbook: Malik, C++ Programming: from Problem Analysis to Programming Design, 6e 2012
Cengage Course Technology, 1133626386 978-1133626381

Assignments: Lecture quizzes and the exams will be closed book, closed notes. Dates for lecture quizzes and the exams are included in the Tentative Course Outline, which will be made available on the Blackboard in the first week of classes. For the exams, you will be given the entire class period. Quizzes will usually be about 15 minutes in length; topics for quizzes will be announced in lecture prior to the quiz.

Blackboard: You should check Blackboard for announcements concerning course assignments. Grades from lecture quizzes and tests will be posted on blackboard. It is the student’s responsibility to inform the instructor of misreported grades within one week after they are posted on blackboard.

Attendance/Classroom decorum: You should arrive on time; habitual tardiness is disruptive. Eating and drinking is not permitted in class. It is the student’s responsibility to obtain the information that was presented during a class that was missed. Cell phones and other electronic devices should be turned off (or muted) prior to the beginning of class.

Makeup policy: You may not make up quizzes or the midterm test without prior arrangements, a written medical excuse or a documented emergency.
GRADING POLICY
Laboratory: Your grade from the lab will count as 50% of your grade in this course. Labs will begin the week of Sept. 2/2/2013. You will receive a separate syllabus for lab.

Grades: Each of the following components will contribute the indicated percentage to your overall grade.

- 2 exams: 25%
- 6-12 quizzes (various formats): 25%
- Laboratory: 50%

Lab Grades: Read the separate LAB SYLLABUS: Each of the following components will contribute the indicated percentage to your lab grade. Notice that the lab final is 40%

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weekly lab assignments</td>
<td>30% (10)</td>
</tr>
<tr>
<td>Programming projects</td>
<td>40% (5)</td>
</tr>
<tr>
<td>Lab final</td>
<td>30% (1)</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

Grading Scale:

- A: 93% - 100%
- A-: 90% - 92%
- B+: 87% - 89%
- B: 83% - 86%
- B-: 80% - 82%
- C+: 77% - 79%
- C: 73% - 76%
- C-: 70% - 72%
- D+: 67% - 69%
- D: 63% - 66%
- D-: 60% - 62%
- F: < 60%

Academic Integrity

By attending Old Dominion University you have accepted the responsibility to abide by the honor code. If you are uncertain about how the honor code applies to any course activity, you should request clarification from the instructor. The honor code is as follows:

“I pledge to support the honor system of Old Dominion University. I will refrain from any form of academic dishonesty or deception, such as cheating or plagiarism. I am aware that as a member if the academic community, it is my responsibility to turn in all suspected violators of the honor system. I will report to Honor Council hearings if summoned.”

Any evidence of cheating will result in a 0 grade for the assignment/exam, and the incident will be submitted to the department for further review. Evidence of cheating may include a student being unable to satisfactorily answer questions asked by the instructor about a submitted solution. Cheating includes not only receiving unauthorized assistance, but also giving unauthorized assistance. For class files kept in UNIX space, students are expected to use UNIX file permission protections (chmod) to keep other students from accessing the files. Failure to adequately protect files may result in a student being held responsible for giving unauthorized assistance, even if not directly aware of it. Submitting anything that is not your own work without proper attribution (giving credit to the original author) is plagiarism and is considered to be an honor code violation. It is not acceptable to copy written work from any other source (including other students), unless explicitly allowed in the assignment statement. In cases where using resources such as the Internet is allowed, proper attribution must be given.

Students may still provide legitimate assistance to one another. You are encouraged to form study groups to discuss course topics. Students should avoid discussions of solutions to ongoing assignments and should not, under any circumstances, show or share code solutions for an ongoing assignment.

Please see the ODU Honor Council’s webpage at http://orgs.odu.edu/hc/ for other concrete examples of what constitutes cheating, plagiarism, and unauthorized collaboration. All students are responsible for knowing the rules. If you are unclear about whether a certain activity is allowed or not, please contact the instructor.
Special needs: For students who need accommodations in this class, please contact me personally and provide a letter from the Office of Educational Accessibility to support your request. Please present a letter as soon as possible; retroactive accommodations cannot be made.

Disclaimer: This syllabus is intended to give the student guidance in what may be covered during the semester and will be followed as closely as possible. However, the professor reserves the right to modify, supplement and make changes as course needs arise.

The academic calendar is available at: http://ww2.odu.edu/ao/registrar/calendars/academic/spring.shtml.

The final exam schedule is at http://ww2.odu.edu/ao/registrar/calendars/exams/spring.shtml.

Final exam for cs150 is during the regularly scheduled lab time during the last week of regularly held classes.

A semester schedule will be made available on Blackboard. This syllabus and the schedule are subject to change at the discretion of the instructor throughout the semester. Changes will be announced in class.