

CMSC/AMSC 662-0101 Fall 2013
Tuesday, Thursday 9:30-10:45 (CSI 2107)
Computer Organization and Programming
for Scientific Computing
<http://www.cs.umd.edu/users/oleary/c662/>

Prof. Dianne P. O’Leary: Room 3271 A.V. Williams Building
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Office Hours: Tuesday 11:45-1:00, Friday 9:30-10:30,
and by appointment, in AVW 3271. E-mail is welcome anytime!

Teaching Assistant: Tyler Drombosky

Prerequisite: AMSC/CMSC/MAPL 460, AMSC/CMSC/MAPL 466, or knowledge of basic numerical analysis and some programming experience. **This course is not open to Computer Science majors.** It is meant to be “Computer Science for Scientific Computing”.

Text: Bryant and O’Hallaron Computer Systems: A Programmer’s Perspective 2nd Edition (hard copy or Kindle version)

Programming language: Matlab will be assumed as a common language. Some assignments may require C or Fortran, but detailed templates and complete instructions will be given.

News: Assignments, course notes, answers to homeworks and quizzes, and announcements will be posted on the course’s homepage. You are responsible for checking this site before each class.

Accommodations: If you require academic accommodations due to a religious obligation or a disability, you must provide documentation by the end of the 2nd week of the semester.

CourseEvalUM: Please complete your evaluation for this course near the end of the semester at <http://www.courseevalum.umd.edu>.

Academic Integrity: Class accounts are to be used only for class assignments. All files within the accounts are subject to inspection, and the campus code of computer conduct must be followed. All work that you submit in this course must be your own; group efforts will be considered academic dishonesty. See <http://www.studenthonorcouncil.umd.edu/code.html>

for definitions and sanctions. You may discuss homework in general way, but you may not consult any one else's written work, program drafts, computer files, etc. Any marked similarity in form or notation between submissions with different authors will be regarded as evidence of academic dishonesty – so protect your work. You are free to use reference material to help you with assignments, but you must cite any reference you use and clearly mark any quotation or close paraphrase that you include. Such citation will not lower your grade, although extensive quotation might.

Grading: Grading will be on a *curve*, except that you will be guaranteed an A- if your average is 90% or better, a B- if your average is 80% or better, etc. **Keep** your work in case there is a question about recording of grades.

7 Homeworks	140
6 Quizzes	120
Final Exam	100

- **Homework:** To pass this course, you must make an honest effort at each homework. Partial credit will be given for partially-working programs. Homework will be due **before class begins**. There will be a 15% penalty for assignments turned in up to 2 days late, 30% penalty for assignments turned in 2-4 days late, etc.
- **Quizzes:** There will be 7 quizzes, 20 minutes each. I will count your 6 highest grades. Make-ups will not be permitted unless you have documented medical or other serious excuses for more than one quiz date.
- **Final Exam:** Tuesday December 17, 8:00-10:00am
- **Extra Credit:** There may be occasional opportunities during class to earn extra credit. Also, .5 point will be given to the first student to discover a substantive error in my notes or the website.
- **Regrades:** If you think a mistake has been made in grading your work, submit it for regrading within two weeks of the date on which the work was returned to the class. After that, the grade will be considered final.

Course Outline: See website.