

# Computer Science 2310 and 2311

## Algorithmic Problem Solving and Programming Laboratory

### Fall 2009

**Meeting Time:** (2310) 11:00 A.M. – 12:15 P.M. Tuesday and Thursday  
(2311) 2:00 – 4:00 P.M. Thursday

**Meeting Location:** Austin 304 (Austin 208 for 2311 Labs)

**URL:** <http://www.cs.ecu.edu/~rws/c2310/>

**Instructor:** Dr. Ronnie W. Smith

**Email:** [rws@cs.ecu.edu](mailto:rws@cs.ecu.edu)

**Office:** *Sci-Tech C-117*

**Phone:** 328-9687

**Office Hours:** Mondays 3:45 – 4:45 P.M.  
Tuesdays 9:00 – 10:45 A.M.  
12:30 – 1:00 P.M.  
Thursdays 9:00 – 10:45 A.M.  
*Or by appointment*

#### Course Goals

By completion of the course, students should have:

1. Improved their skills at developing and using algorithms for problem solving;
2. Learned how to program in a working subset of the Java programming language, including the use of various control statements, functions, simple data types, arrays, and classes;
3. Learned good programming skills, including the use of pseudocode algorithms, complete documentation, good style, and thorough testing and debugging; and
4. Learned skills for following detailed guidelines and specifications representative of commercial software development efforts.

**Prerequisite:** MATH 1065

**Corequisite:** CSCI 2311, Section 3

**Text** (required)

Java: An Introduction to Problem Solving & Programming. Walter Savitch and Frank M. Carrano. 5th Edition, Pearson Education, Upper Saddle River, NJ, 2009.

**Computing Environment**

Linux Operating System, Java jdk compiler (version 1.6 or higher).

## Evaluation Criteria

Assignments/Quizzes - 50% (weighted assignments, some will be programs and some will be “pencil and paper work”, average based on total points earned relative to total points possible)

Exams – 30% (September 24 and November 5---subject to change)

Final Exam - 20% (Thursday December 17, 11:00 A.M. - 1:30 P.M.)

## Grading Scale

An absolute grading scale has not been set, but you can be assured of at least the following:

Final Average (x)	Grade will be at least
$x \geq 92$	A
$85 \leq x < 92$	B
$75 \leq x < 85$	C

## Late Work

You will be given a budget of 48 hours of lateness that you can spend throughout the semester. Once it is used up, no late assignments will be accepted without an official excused absence. Unused hours in your budget will be cashed in as extra points earned for assignments at the rate of “2 unused hours = 1 point”. Assignments are due at the start of class unless otherwise noted. The ceiling function will be used in computing number of hours an assignment is late. NOTE: This policy applies only to work assigned during meetings of 2310. The policy for lab assignments will be presented during the first 2311 lab session.

## Class Attendance

Attendance is mandatory and will be checked. If you have 4 or 5 unexcused absences during the semester your final grade will be reduced by one full letter grade. If you have more than 5 unexcused absences, your final grade will be an F.

If you are more than 5 minutes late and it is unexcused, your tardiness will be counted as an unexcused absence.

A dean's excuse or student health excuse is required for an absence to be considered excused.

## Virtual Office Hours

Besides physical office hours noted on the previous page, virtual office hours are available on an ad hoc basis. This refers to times during the week when I will try to answer student emails. My policy for answering emails will be the following.

- First priority during physical office hours will be visitors and phone calls. Secondary priority will be answering emails.
- For days that I do not have office hours, I will normally try to answer emails on Wednesdays beginning at 11:30 A.M., and on Fridays beginning at 2:00 P.M. This is subject to change without notice due to conflicting responsibilities.

- On weekends, I will normally try to look at email at some point on Sunday afternoons after 2:00.
- You should not rely on me answering emails quickly at other times, though I will sometimes be able and willing to do that.

### **Ethics**

It is acceptable to ask for assistance on assignments with the following:

1. Understanding the question.
2. Learning how to use the computer.
3. Understanding the source of compiler errors.

It is considered **CHEATING** to obtain assistance other than from the instructor or the lab assistants for the following:

1. Developing your solution to assigned problems to be graded.
2. Writing your program.
3. Fixing your program beyond syntax errors.

Violations of these policies will be handled in a manner consistent with official university policy.

### **Hints for Success**

1. WORK AS MANY PRACTICE PROBLEMS AS POSSIBLE.
2. Keep up with the reading.
3. Review lecture notes later the same day.
4. Begin working on assignments immediately.
5. Take advantage of my office hours.

### **Weather emergencies**

In the event of a weather emergency, information about ECU can be obtained through the following sources:

ECU emergency notices

<http://www.ecu.edu/alert>

ECU emergency information hotline

252-328-0062

### **Students with disabilities**

East Carolina University seeks to comply fully with the Americans with Disabilities Act. Students requesting accommodations based on a covered disability must go to the Department for Disability Support Services, located in Slay 138, to verify the disability before any accommodations can occur. The telephone number is 252-737-1016.