

CSS 161 Spring 2008

Course Time: T/Th 3:30pm—5:35pm *Room* UW2-040
Lab Time: Friday 1:15—3:20pm *Room* UW1-121
Course website: <http://courses.washington.edu/css161/anderson/>

Professor: Dr. Laurie Anderson

Office: UW1-349 *Office Phone* (425) 352-3594

Office Hours: T/Th 8:00-9:00pm or by appointment

Email: landerson@uwb.edu

Description

Offering an introduction to programming concepts within social, cultural, scientific, mathematical, and technological concepts. Topics include programming fundamentals (control structures, data types and representation, operations, functions and parameters), computer organization, algorithmic thinking, introductory software engineering concepts (specifications, design, testing), and social and professional issues (history, ethics, applications).

Course goals

Students develop competencies associated with problem-solving, design, testing, programming, and management techniques. Besides learning programming fundamentals, you will see common applications and consider these applications in society. Good software engineering and algorithm analysis techniques are used throughout. As with most technical courses, besides ability and motivation, it takes time to learn and master the subject. Expect to spend an *average* of 10 to 15 hours a week outside of class time for this course; some of you may spend more time, some less time.

Textbooks (used for CSS 161 & CSS 162)

Savitch, Walter. Absolute Java 3rd Edition © 2008 [ISBN-0-321-48792-3] REQUIRED

Ermann, M. David & Michele S. Shauf. Computers, Ethics and Society. 3rd Edition © 2008 [ISBN 0-19-514302-7] REQUIRED

Grading Breakdown

Programming Assignments (7) and Labs (10)	35%
Midterm Exams (2)	40%
Final exam (1)	25%
Note: Students may <u>not</u> request individual extra credit opportunities.	100%

Policies

These policies provide an even grading policy and encouraging environment for all students to learn.

BOOKS: Please bring your Savitch textbook to each class and lab.

BACK UPS: You are responsible for maintaining electronic back-up copies of your work.

PROGRAMMING ASSIGNMENTS: All programming assignments (hard copy & soft copy) are due at the **beginning** of class on the due date unless stated otherwise. Assignments can be turned in up to 5 days late (including weekends) with a 10% grade reduction per day (unless we have spoken about the circumstances and prior arrangements have been made). No make-up midterms will be given except under exceptional circumstances.

HONOR CODE: Work is to be done independently unless directed otherwise; collaboration of work is NOT acceptable. You may discuss the problem statement with each other and help debug, but any actual work to be turned in, must be done without collaboration. In other words, all designing and coding is to be done independently. This class is run by honor code. By taking this class, you agree that you will not collaborate inappropriately on any work. In some cultures, family relationships and their loyalty are considered above all others. In this course, we are an academic family and you betray the instructor's and university's trust should you violate the honor code.

ELECTRONIC DEVICES: Please turn OFF all cell phones, pagers, etc. during class. Also, no instant messaging or email. You may take type notes in class, but turn off the key click.

FOOD: Snacking is permitted; however, please be courteous to everyone by avoiding crackling cellophane, crunchy foods, and foods with odors. Also clean up after yourself.

If you believe that you have a disability and would like academic accommodations, please contact Disability Support Services at 425.352.5307, 425.352.5303 TDD, 425.352.5455 FAX, or at dss@uwv.edu. They will ask you to provide documentation of your disability as part of the review process prior to receiving any accommodations, and then I will be contacted.

Daily Schedule & Assignments (Subject to revisions)

T/Th/F	Topic	Material	Assignment Due
T 4/1	Introduction, object-oriented programming, Computers & java	Section 1.1, 1.2, 1.3	
Th 4/3	Expressions, Assignment Statements	Section 1.2	
F 4/4			Lab 1
T 4/8	Program Style, Console I/O & Branching basics	Section 1.4 & Chapter 2 Section 3.1	
Th 4/10	<No Class>		
F 4/11			Lab 2 & Assignment 1 Due
Last day to drop 4/13 a course (unrestricted drop)			
T 4/15	Branching (more) & boolean expressions	Section 3.2, 3.3	
Th 4/17	Loops	Section 3.3	
F 4/18			Lab 3 & Assignment 2 Due
T 4/22	Loops (more)	Section 10.1, 10.2	
Th 4/24	Loops (more)		
F 4/25			Lab 4 & Assignment 3 Due
T 4/29	Midterm Exam #1		
Th 5/1	Introduction to File I/O: Text files		
F 5/2			Lab 5
T 5/6	The Class String: Class Defn	Section 1.3, 4.1	Assignment 4 Due
Th 5/8	Classes		
F 5/8			Lab 6
T 5/13	Arrays	Section 6.1, 6.2	Assignment 5 Due
Th 5/15	Arrays (more)		
F 5/16			Lab 7
Last day to drop 5/18 a course (restricted drop, because you're allowed only one course drop per calendar year)			
T 5/20	Arrays (more)	Section 6.3	
Th 5/22	Arrays (more)		
F 5/23			Lab 8 & Assignment 6 Due
T 5/27	Midterm Exam #2		
Th 5/29	Problem Solving		
F 5/30			Lab 9
T 6/3	Problem Solving		
Th 6/5	Wrap-Up		
F 6/6			Lab 10 & Assignment 7 Due
T	Final (same time & room)		