

# CIS 115-101 Intro to Programming and Logic

Fall Semester 2008

Tuesdays and Thursdays, 2:00 – 4:10 pm

## *Syllabus & Schedule*

**INSTRUCTOR:** Carol Zylbert  
**Email:** czcis115@yahoo.com

### **COURSE DESCRIPTION:**

This course introduces computer programming and problem solving in a structured program logic environment. Topics include language syntax, data types, program organization, problem solving methods, algorithm design, and logic control structures. Upon completion, students should be able to manage files with operating system commands, use top-down algorithm design, and implement algorithmic solutions in a programming language. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural science/mathematics (Quantitative Option).*

Course Hours Per Week: Class, 2. Lab, 3. Semester Hours Credit, 3.

Prerequisite: MAT 070

Corequisite: CIS 110

### COURSE OUTLINE

### **TEXT and OTHER REQUIRED MATERIALS**

Starting Out with Programming Logic and Design, Gaddis (Addison Wesley, 2008)

ISBN 978-0-321-47127-7

### **GRADING:**

Midterm	30%
Final Exam	40%
10 Labs (3 % each)	30%

### **SCALE:**

A	90 – 100
B	80 – 89
C	70 – 79
D	60 – 69
F	0 – 59
F2	0 – 59 <b>and</b> stopped coming to class
W	official withdrawal

Last day to withdraw with a grade of W: October 29, 2008

### COMPUTER LABS

Computers are available in the Campus Learning Center, Phail Wynn, Jr. Student Services Center, Room 1305. Computer Lab hours are: M-Th, 9 am - 8 pm; Fri, 9 am - 2 pm; Sat, 10 am - 2 pm

## ATTENDANCE and MAKEUP

Students are expected to attend all class meetings. School policy allows students to be absent up to 15% of class time (5 class meetings). There are no “excused absences.” The instructor has the option to drop a student from a course, or to give a student a grade of F2, if the absences exceed 15% of class time. In the event of absence, it is the student’s responsibility to catch up on work missed.

Make-up tests will be scheduled by the instructor as needed. Assignments will be assigned regularly. A programming assignment is considered complete when it is successfully demonstrated to the instructor.

**NO WORK WILL BE ACCEPTED AFTER THE END OF THE LAST CLASS.**

## WITHDRAWAL

To officially withdraw from a class, a student must complete and submit a withdrawal form to the Admissions and Registration Office prior to the official 60% point of the semester. Students who do not follow this procedure for withdrawing from class will not be officially withdrawn from the class and will receive a final grade for the class that takes into account all work completed with zero credit for work that is missed or not completed. **The last day to withdraw with a grade of W is October 29, 2008.**

## STUDENTS WITH DISABILITIES

Students who require academic accommodations due to any physical, psychological, or learning disability are encouraged to request assistance from a disability services counselor within the first two weeks of class. Likewise, students who potentially require emergency medical attention due to any chronic health condition are encouraged to disclose this information to a disability services counselor within the first two weeks of class. Counselors can be contacted by calling 686-3652 or by visiting the Student Development Office in the Phail Wynn Jr. Student Services Center, room 1309.

## TUTORIAL SERVICES

Students who need tutorial assistance in this course may be referred to the Campus Learning Center (CLC), on the third floor of the [Phail Wynn, Jr. Student Services Center](#). This term’s schedule of free tutorial services is available in the CLC and is posted on bulletin boards around campus. For more information, call the CLC at 686-3554.

## STUDENT CODE OF CONDUCT

### ACADEMIC HONESTY AND INTEGRITY

Students are expected to complete assignments individually unless a specific group project is assigned. **Except in the case of group projects, all work turned in for a grade must be the student's own, individual work, not the product of collaboration.** Any cheating or unauthorized collaboration, whether active or passive, is expressly forbidden. Anyone caught cheating will fail the course. **ALL TESTS ARE CLOSED-BOOK.**

According to the [2006-2007 Catalog and Student Handbook](#), "Durham Technical Community College demands complete academic integrity from each student. Academic dishonesty is the participation or collaboration in specific prohibited forms of conduct" (24). Academic dishonesty includes the following:

- Registering for a course not approved by a student advisor;
- Unauthorized copying, collaboration, or use of notes, books, or other materials on examinations or other academic exercises;
- **Plagiarism, which is defined as the intentional representation of another person's work, words, thoughts, or ideas, including material from the Internet, as one's own;**
- Unauthorized possession of any academic material, such as tests, research papers, assignments, or similar materials; or
- Furnishing false information with the intent to deceive members of the college faculty or administration who are acting in the exercise of their official duties.

The Violation Procedure for the Academic Honesty Policy is available in the Catalog and Student Handbook. Please note that as the Catalog and Student Handbook is updated, campus policies may change. See Academic Appeals (in online college catalog)

<http://www.durhamtech.edu/html/prospective/academicinfoa.htm#appeal>

### APPROPRIATE USE OF COMPUTING RESOURCES

Excerpts:

"All software installed or used on Durham Tech computers must be legally licensed for use on the college premises. Do not copy copyrighted software from computers on campus or install software on campus computers that is not legally licensed."

"Users are expected to abide by all federal and state laws governing computer use. Users may not attempt to evade, disable or "crack" passwords or other security provisions. Also, users may not knowingly install any virus or destructive computer program onto campus computers."

"Anyone who violates this policy is subject to the College's student code of conducts the employees' due process policy and possible criminal complaint or civil action for damages."

### ADDITIONALLY

1. No food, drink or children allowed in computer classrooms.
2. Limit printing to course-based assignments and less than 10 pages at a time.
3. Recreational computing is not acceptable during class time. Engage in PC activity only when designated. Infractions will be considered as non-participatory, disinterested, distracting and disruptive behavior. During lab time, students are expected to pursue concepts and knowledge relevant to the course content.

### COURSE SCHEDULE

Tues	Thurs	Topic	Chapter	Labs
08/19	08/21	Introduction to Computers and Programming	1	
08/26	08/28	Input, Processing, and Output	2	1
09/02	09/04	Modules	3	2
09/09	09/11	Decision Structures and Boolean Logic	4	3
09/16	09/18	Repetition Structures	5	4
09/23	09/25	Functions	6	5
09/30	10/02	Input Validation	7	6
10/07	10/09	Input Validation, <i>Midterm</i>	7	6
<i>no class</i>				
10/21	10/23	Arrays	8	7
10/28	10/30	Sorting and Searching Arrays	9	8
11/04	11/06	Files	10	9
11/11	11/13	Menu-Driven Programs	11	10
11/18	11/20	Recursion	12	11
11/25	<i>no class</i>	Recursion	12	11
12/02	12/04	Object-Oriented Programming	13	12
12/09	12/11	GUI Applications and Event-Driven Programs	14	13
12/16	<i>no class</i>	<i>Final Exam</i>		

The last day to withdraw with a grade of W is October 29<sup>th</sup>.

**A copy of this Syllabus and Schedule is available in the Course Information section of the course's Blackboard website.**