

# CSC111 - INTRODUCTION TO COMPUTER SCIENCE SYLLABUS

## 1. CONTACT INFORMATION

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**Office:** Manchester 021

**AIM:** CSC111atWFU

**Office Hours:**

**Monday:** 1:30 - 4:00

**Tuesday:** 11:00 - 11:50

**Wednesday:** 12:30 - 2:30

**Thursday:** 3:00 - 5:00

Teaching Assistants

**Satria Sajuthi:** sajusp8@wfu.edu

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## 2. COURSE INFO

**Course Description:** Lecture and laboratory. Rigorous introduction to the process of algorithmic problem solving and programming in a modern programming language. Recommended as the first course for students considering a major or minor in computer science.

**Prerequisites:** Non-declared majors/minors only, or POI.

**Time:** TR @ 9:30am

**Location:** Manchester 241

**Final Exam:** May 1 @ 9:00am

Textbook

**Title:** Java Concepts, 5th Ed.

**Author:** Cay Horstmann

**ISBN:** 978-0-470-10555-9

## 3. POLICIES

**Attendance:** Every student of CSC111 is expected to attend each lecture and lab session. Though attendance will not be formally applied to the final grade, there is, in almost all courses, a strong correlation between regular attendance and a superior final grade. When absence is unavoidable, the instructor should be notified beforehand if possible.

**Homework:** Regular homework assignments will be given in CSC111, and except when noted, each assignment is due at the beginning of the following class period. Homework assignments may be submitted electronically (see the next section) or on paper *before* the lecture begins. Thus, if you are late for class, you will not be eligible to turn in written work.

Written homework assignments will generally be given to reinforce a reading assignment. These reading assignments will be from the course textbook or from a document provided on the course website. It is imperative that students keep up-to-date with reading assignments, as each lab session will assume that all previously assigned reading has been completed and assimilated.

**Electronic Assignment Submission:** The course website will be used for the purposes of distributing class material electronically as well as for submitting homework and lab assignments. Instructions for the use of the course website will be given in class. Should the website be unavailable at any time, the instructor should be notified immediately so that alternate arrangements can be made.

**Exams:** There are two in-class exams and one final exam scheduled during the course of CSC111. Each of these exams will be open-book and open-note unless otherwise indicated prior to and at the start of the exam.

#### 4. PROGRAMMING LABORATORY

**Time:** Tuesdays @ 3:00pm

**Location:** Manchester 241

##### Lab Requirements

**Assignment Completion:** All laboratory assignments are to be completed before 11:59pm the following Monday. Any assignment not submitted prior to the deadline will *not* be accepted and will consequently receive a grade of 0 (F). Lab assignments are to be submitted electronically using the course website. The submission page will be automatically disabled at 12:00am, and your grade will be automatically recorded as a 0. If you are unable to submit your work for any reason, you must notify the instructor immediately so that alternate arrangements can be made.

**Computers:** Students are required to bring their Wake Forest-issued laptop to each lab session.

**Backups:** Magnetic media such as computer hard disk drives are notoriously unreliable and prone to failure at any time for inexplicable reasons. Because of this, it is imperative that you make regular backups of all course-related work. Loss of data for any reason is **not** an excuse for failure to submit an assignment.

If you are not already in the habit of regularly backing up your coursework, I strongly recommend the backup service Mozy, which will automatically back up your data to encrypted off-site storage for \$5/mo.

If you're not sure what to back up or how to do it, let the instructor know before the end of the first lab session.

**Failure:** Students who receive a grade of 'F' in the lab will receive a grade of 'F' for the course. There are no exceptions to this policy.

#### 5. GRADING

##### Grading Breakdown

Homework . . . . .	15%
Programming Labs	30%
Exam I . . . . .	15%
Exam II . . . . .	15%
Final Exam . . . . .	25%

## 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	0-59				

## 6. TENTATIVE SCHEDULE

The following schedule is a tentative overview of the general order in which topics will be presented and will evolve as the semester progresses. Exam dates are also subject to change as necessary.

<b>Week #</b>	<b>Date</b>	<b>Lecture Topic</b>
1 (No Lab)	01/15	Introduction to Programming
2	01/20	Object-Oriented Programming
	01/22	Introduction to Groovy
3	01/27	Object State and Behavior I
	01/29	Object State and Behavior II
4	02/03	Object State and Behavior III
	02/05	Class vs. Object; <code>static</code>
5	02/10	Inheritance
	02/12	Boolean Logic
6	02/17	Conditionals
	02/19	Loops
7	02/24	<b>Exam I</b>
	02/26	Introduction to Java
8	03/03	Java Data Types; Primitives vs. Objects
	03/05	Access Specifiers
9	03/10	<i>Spring Break</i>
	03/12	
10	03/17	Polymorphism I
	03/19	Polymorphism II
11	03/24	Advanced Inheritance
	03/26	Arrays
12	03/31	Collections: <code>List</code> , <code>Set</code>
	04/02	Maps
13	04/07	Sorting and Searching
	04/09	<b>Exam II</b>
14	04/14	Logging and Exception Handling
	04/16	Using the Debugger
15	04/21	Event-Driven Programming
	04/23	Advanced Topics
16	04/28	Advanced Topics

## 7. LEARNING ASSISTANCE

If you have a disability or other special need that requires an accommodation for this course, please contact the Learning Assistance Center (758-5929) within the first two weeks of the semester.

## 8. ACADEMIC INTEGRITY / HONOR CODE

All students are expected to conform to the Wake Forest University Honor Code to which adherence was pledged upon admission to the University. In this course, it is expected that all work submitted for review will be properly attributed. In general, collaboration and discussion are permitted between students, but the direct sharing of code or solutions is explicitly forbidden. When a student collaborates with others, the ideas and solutions that result are not solely the product of that student's labors, but also of his or her collaborators, and the names of these people should be appropriately affixed to submitted work. A student who fails to do so is, in essence, claiming singular responsibility for that work and in so doing is committing a knowing act of plagiarism. Should this deception and theft of ideas be discovered, it will be referred to the University Judicial System.

## 9. COURSE PLAN IN THE EVENT OF UNIVERSITY CLOSURE

In the event that the University closes due to pandemic or other disaster, the course will be continued through the Internet or, if necessary, by postal mail. The instructor will through this medium distribute class notes, lab material, and homework, preceded initially by a set of instructions and information regarding the ensuing processes and procedures.