CS:1113 – Computer Science I (A)

Instructor

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Teaching Assistants

Office hours are via the “Chat” function on the course Canvas page. The chat function is located on the left side tab of the course page, under the “Assignments” tab. If required, a video/audio conference session will be arranged either Skype or on Zoom. Video conferences can be scheduled outside of the office hours as well. The TAs will make every effort to respond to e-mails within 24 hours.

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Time	Mon	Tue	Wed	Thu	Fri	Time
8 - 9				Peace	Peace	8 - 9
9 - 10	Tanusha		Peace	Peace	Peace	9 - 10
10 - 11	Tanusha	Tanusha	Tanusha	Tanusha		10 - 11
11 - 12		Tanusha	Peace	Tanusha		11 - 12
12 - 1	Oliver	Peace		Tanusha		12 - 1
1 - 2					Tanusha	1 - 2
2 - 3			Peace		Tanusha	2 - 3
3 - 4						3 - 4
4 - 5						4 - 5
5 - 6	Oliver	Oliver	Oliver			5 - 6
6 - 7				Peace	Peace	6 - 7

Description

This is an online course. Computer Science I will introduce the basics of programming using Java as the computer language. There will be so much more to Java than you learn from this course, but this is where a strong foundation can be built. By the end of the course, you will be proficient enough to interpret and execute a java code by a computer.
All lectures, resources, assignments, and correspondence are accessed entirely online through Canvas at canvas.okstate.edu. You must use your campus email and password to access the course.

Prerequisites

Mathematics 1513 or 1613 or 1813 or 2103 or 2144

Objectives

- Use variables, control structures, arrays and method definitions to produce useful text-based programs that solve both toy and real-world problems.
- Design well-structured, encapsulated, self-documenting code that can be maintained, updated, and improved as the course progresses.
- Demonstrate robust code that responds gracefully to errors and unexpected user behavior.
- Choose appropriate data structures and data types for representing problems, explain the rationale for such decisions, and express the underlying computational and memory processes that pertain to the various choices

Course Meetings

No meetings for the online course. Lecture videos will be posted to Canvas; most will be videos by Dr. Christopher Crick.

Textbook

The text is online and available from the course Canvas page. When you first pull up the readings from the course page, you will have to purchase access to the online text.

Instructor Response Time

The Instructor will make his best effort to responds within 24-48 hours for all student inquiries. Grades and/or feedback for assignments will be sent within 2 weeks of the assignment due date. Include

Grading Policy

Assignment:	Percentage of Total Grade
Participation Activities	10%
Challenge Activities	10%
Lab Assignments	30%
Final Project	20%
Midterm and Finals	30%

Final grades will be assigned according to the following standard scale:

Grade	Percentage Earned
A	90 – 100%
B	80 – 89.9%
C	70 – 79.9%
D	60 – 69.9%
F	0 – 59.9%

The instructor reserves the right to curve these percentages downwards if necessary, but they will not be curved upwards

Assignment Descriptions

Readings include participation and challenge activities, which should be carried out as you read the online text. Each unit also includes a number of lab programming exercises. All of these are due on specific dates, ordinarily on the Monday after the period scheduled forcovering the material.

- Throughout most of the course, work will be submitted through the online interface. However, you will have to install your own Java compiler and produce code independently for the final project.
- The details related to the final project will be posted soon. About halfway through the semester, you will receive instructions about the project expectations.
- There will be two exams, a midterm and a comprehensive final. Together, these will account for 30% of your grade, and the final counts for twice as much as the midterm. Online exam proctoring will be provided through Examity, and you are responsible for completing each exam by its due date.

- Academic integrity is taken very seriously. You are permitted (and indeed encouraged) to discuss the course material with fellow students in general terms on the Canvas discussion board, but the programs you write must be your own. **Code copied from each other or found on the net will result in an automatic zero** and depending on the egregiousness of the offense may result in earning an 'F!' for the course and facing academic disciplinary measures.
- That said, you are welcome to copy code from your own previous assignments, from programming snippets that we go over in lecture, or from the textbook.

Technical Requirements

For the final project / programming assignments the students will be needing to install Java compiler and SDK onto their machines.

Course Schedule

https://registrar.okstate.edu/academic_calendar/academic_calendar_spring_2021.html

Module	Date	Week
Unit 1: Introduction to Java	January 19 – January 31	1 - 2
Labor Day & Unit 2: Variables / Assignments	February 1 – February 14	3 - 4
Unit 3: Branches	February 15 – February 28	5 - 6
Unit 4: Loops	March 1 - March 14	7 - 8
Midterm and Unit 5: Arrays	March 15 - March 28	9 - 10
Unit 6: User-Defined Methods	March 29 - April 11	11 - 12
Unit 7: Objects and Classes	April 12 - April 25	13 - 14
Final project and final exam	April 26 - May 7	15 - 16

Assignment	Due Date
Unit 1 Coursework due	February 08
Unit 2 Coursework due	February 22
Unit 3 Coursework Due	March 08
Midterm Due	March 18
Unit 4 Coursework due	March 22
Project due	March 26
Unit 5 Coursework due	April 05
Project due	April 09
Unit 6 Coursework due	April 19
Project due	April 23
Unit 7 Coursework due	May 03
Final exam due	May 06

Syllabus Attachment

Other useful information can be found on the OSU syllabus attachment. Students are encouraged to download and read the document. For ease, the attachment has also been posted on Canvas, under the Syllabus module.

Office of Student Accessibility Services

If you think you have a qualifying disability and need accommodations, contact the Office of Student Accessibility Services to start the registration process and to ensure timely implementation of appropriate accommodations.