Course Syllabus – CS 1113

Instructor
Blayne E. Mayfield
220 MSCS
Phone: (405) 744-5683
Email: blayne.mayfield@okstate.edu

Office hours
TuTh 10:00 – 11:30 AM, and by appointment; face-to-face and Zoom
https://zoom.us/j/92917700108?pwd=Q3JjdTByRW9YN5CdlJBaEVpTGcZz09
Meeting ID: 929 1770 0108
Passcode: 780336

Teaching assistants and SI leader
Chrisantus Eze (chrisantus.eze@okstate.edu)
MW 11:00 AM – 12:00 PM, F 3:00 – 4:00 PM, and by appointment
102 MSCS
Farhan Tanvir (farhan.tanvir@okstate.edu)
MWF 12:00 – 1:00 PM and by appointment
102 MSCS
Belen Ortiz (belorti@okstate.edu) – Supplemental Instruction Leader
See attachment for info (the last page of this document)

Website
Canvas will be used as the course website: https://canvas.okstate.edu.
The Canvas course site is named CS-1113 Mayfield-Combined Fall 2022.

Lecture
MWF 1:30 – 2:20 PM 035 SSH

Lab
- CRN 65242: Wednesday 8:30 – 10:20 AM 108 MSCS
- CRN 65241: Thursday 4:30 – 6:20 PM 108 MSCS
- CRN 67272: Thursday 8:30 – 10:20 AM 108 MSCS
- CRN 60626: Friday 9:30 – 11:20 AM 108 MSCS

Prerequisites
Math 1513 (College Algebra) or equivalent.
Primary text (required) – online textbook
Subscription is $77 and will last until 12/30/2022.
Instructions:
1. Sign in or create an account at https://learn.zybooks.com
2. Enter zyBooks code: OKSTATECS1113MayfieldFall2022
3. Subscribe. Be sure to select your lab section number when subscribing.
   (It can be changed later by contacting zyBooks if you select the wrong one.)

Secondary texts (optional and free)
• Think Java: How to Think Like a Computer Scientist by Allen Downey and Chris Mayfield, online version available at https://open.umn.edu/opentextbooks/textbooks/285
• Introduction to Programming Using Java by David J. Eck, eighth edition, online version available at https://open.umn.edu/opentextbooks/textbooks/419

Course description
Computer Science I will introduce you to the craft of programming and to the Java language. By the end of the course, you will be proficient at translating problems into syntax that can be interpreted and executed by a computer. You won’t yet have the skills necessary to create anything you can imagine – that will have to wait for Computer Science II 🤓 – but you will have built an excellent foundation.

Course 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.

Grading weights
In-Class Participation ........................................5%
zyBooks Participation Activities ........10%
zyBooks Challenge Activities...............10%
Labs.................................................................20%
Programming projects..............................10%
Exam 1..............................................................15%
Exam 2..............................................................15%
Final Exam ......................................................15%
Grading scale

≥ 90% .................. A
≥ 80 but < 90 .......... B
≥ 70 but < 80 ........ C
≥ 60 but < 70 ........ D
< 60 ...................... F

Dates
- Labor Day holiday .......................... Monday, Sep 5
- Exam 1 ........................................ Monday, Sep 26 1:30 – 2:20 PM
- Exam 2 ........................................ Wednesday, Nov 2 1:30 – 2:20 PM
- Fall/Thanksgiving break .................. Nov 21 - 25
- Final exam ..................................... Friday, Dec 16 2:00 – 3:50 PM

In-class participation
A class sign-in sheet will be passed around during 12 random lecture periods. You must sign in on 10 days (and be present the full class period) to receive the full 5%. This does not mean that you only need to attend 10 classes but is set up so that classes are randomly sampled to determine whether you make it to at least 80% of class sessions.

zyBooks Participation Activities
zyBooks participation activities for each week will be due at NOON before Monday's lecture each week, except for the first week of classes. They are the interactive activities associated with the textbook's reading sections for the week.

zyBooks Challenge Activities
zyBooks challenge activities will be due at 11:59 p.m. on Sundays. They are the challenge activities associated with the previous week's zyBooks reading sections. Completing 80% of the challenge activities will provide the full 10% grade score. That is, you can miss up or skip up to 20% without a penalty.

Labs
Labs typically will be due at 11:59 p.m. on Fridays. These are the programming activities associated with the previous week's zyBooks reading sections. Most (but not all) of the labs will be conducted on zyBooks; however, attendance of your lab section is mandatory, and attendance will be taken. Completing 80% of the lab points will provide the full 20% grade score. That is, you can miss or skip up to 20% without a penalty; however, some labs will be worth more than others.

Examinations
During an examination period, no communication of any kind about the exam (except with the instructor or proctor) is allowed. Exams will be held in the lecture section.
Late work

Late work will be penalized by 10% per day.

Development environment

The course will use Java as the programming language. The zyBooks textbook and labs allow editing and running Java code from within a browser. Java can be installed on your personal machine, but an alternative is to use OSU's virtual lab which provides remote access to the software installed in MSCS 108. See https://it.okstate.edu/services/virtual-labs/index.html for additional information on setting up the client for virtual labs.

Collaboration policy

Discussion of concepts, ideas, and techniques is allowed. After discussion, each student must write up his/her own solution. Copying another person’s work, in part or whole, is not allowed. Giving another student your work, in part or whole, is considered cheating as well. If you are unsure whether your collaboration is acceptable, speak with the instructor in advance.

The internet is a great place to find out how to do things in Java, and we encourage you to use it for that purpose. However, copying a whole program or assignment, or a large chunk of one and turning it in as your own work is cheating. Think about the purpose of an assignment; if what you are doing bypasses the purpose of the assignment, then it is probably cheating.

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.

Disabilities act

If any student feels that he/she has a disability and needs special accommodations of any nature whatsoever, the instructor will work with you and Student Accessibility Services, 155 University Health Services, to provide reasonable accommodations to ensure that you have a fair opportunity to perform in this class. Please advise the instructor of such disability and the desired accommodations at some point before, during, or immediately after the first scheduled class period.
Other information

- The [University Syllabus Attachment](#) contains a lot of useful information and important dates.
- The [Fall 2022 Final Exam Schedule](#) communicates dates & times for all your final exams.
- The [LASSO Center](#) provides opportunities for additional assistance.

Getting Help

There are quite a few ways to get help in this class. Here are some of them:

- Visit the office hours of the instructor or TAs.
- You may go to any of the lab sessions and ask the TA for help about anything CS I related, not just the labs.
- If you feel you may want study support, form a study group.
- Free tutoring is available on campus through the LASSO center.
Supplemental Instruction Syllabus: CS 1113

Dr. Blayne Mayfield

SI Leader: Belen Ortiz (belorti@okstate.edu)

What you need to know:
Office Hours: Tue Thur 1:30-2:30
(CLB Basement)
SI Sessions: Mon 4:00-4:50 (CLB 219)
   Tue 5:00-5:50 (CLB 322)
   Thur 5:00-5:50 (Online)

What is SI? Free, optional group study sessions!

SI is a collaborative study session. It is completely FREE to attend. The goal of SI is to deepen your understanding of course material. Students of all abilities can benefit. Studies have shown that students who attend ten or more SI sessions will see their grade improve by at least a letter grade! Furthermore, studies show that attending one hour of SI is equivalent to TWO HOURS of accredited study time! SI is essentially studying on steroids.

My goal is to help review and explain the material covered in lecture. You won’t learn any new information in SI, just tips and tricks to help you solve problems on your own. In my SI Sessions we will practice problems and go over important class concepts. I can also answer any non-homework or test related questions of yours during my office hours. I am here to help you succeed!

Who even is this girl and why is she talking to the class?

Hello! My name is Belen Ortiz, and I am the Supplemental Instruction leader assigned to this course! I am a Junior majoring in computer science. Outside of SI, I love listening to podcasts, watching movies, and baking. My favorite podcasts are Morbid, the moth, anything goes, and reply-all(RIP). I don’t have a favorite movie sorry. I really like cake, so that is why I learned how to bake. I am very excited to work with you all this semester!

Why should I come to SI? Attendance Policy?

As mentioned before, one hour of SI equals two hours of accredited studying. Additionally, in order to qualify to attend our final exam review session, you must attend at least SIX SI sessions. Lastly, students who regularly attend SI sessions generally receive higher grades on assignments and exams.

Good luck this semester and I hope to see you in sessions!