CS 1113 Computer Science I  
Fall 2021

**Instructor:** Nathan Crosby  
**Office:** MSCS 226  
**Office Hours:** W/F 11:00AM to noon and by appointment  
**Email:** ncrosby@okstate.edu

**Lecture:** SSH 035 M/W/F 1:30PM - 2:20PM

**Labs:** MSCS 108  
- Section 65894 - W  8:30AM - 10:20AM  
- Section 69365 - Th  8:30AM - 10:20AM  
- Section 65893 - Th  4:30PM - 6:20PM  
- Section 60688 - F  9:30AM - 11:20AM

**Prerequisite:** MATH 1513 or equivalent

**Course Catalog Description:** Introduction to computer science using a block-structured high-level computer language, including subprograms, arrays, recursion, records, and abstract data types. Principles of problem solving, debugging, documentation, and good programming practice. Elementary methods of sorting and searching. Use of operating system commands and utilities.

**Primary Text (required):** online textbook: CS 1113: Computer Science I, zyBooks, 2021. Subscription is $77. Subscriptions will last until Dec 30, 2021.  
Instructions:  
1. Sign in or create an account at https://learn.zybooks.com  
2. Enter zyBooks code: OKSTATECS1113AlBuhamoodFall2021  
3. Subscribe. Be sure to select your lab section number when subscribing (it can be changed later, if you select the wrong one).

**Secondary Text Resource (optional):** Allen Downey and Chris Mayfield, Think Java: How to Think Like a Computer Scientist, online version available at https://open.umn.edu/opentextbooks/textbooks/285

Grading Weights:

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<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Exam 1</td>
<td>15%</td>
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<tr>
<td>Exam 2</td>
<td>15%</td>
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<tr>
<td>Final Exam</td>
<td>20%</td>
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<tr>
<td>In-Class Participation</td>
<td>5%</td>
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<td>zyBooks Participation Activities</td>
<td>10%</td>
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<tr>
<td>zyBooks Challenge Activities</td>
<td>10%</td>
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<tr>
<td>Labs</td>
<td>25%</td>
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Grading Scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Score Range</th>
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<tbody>
<tr>
<td>A</td>
<td>≥ 90</td>
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<tr>
<td>B</td>
<td>≥ 80 but &lt; 90</td>
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<tr>
<td>C</td>
<td>≥ 70 but &lt; 80</td>
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<tr>
<td>D</td>
<td>≥ 60 but &lt; 70</td>
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<tr>
<td>F</td>
<td>&lt; 60</td>
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Dates:

- **Exam 1**: Wednesday, September 29, 2021 1:30PM - 2:20PM
- **Exam 2**: Wednesday, November 3, 2021 1:30PM - 2:20PM
- **Thanksgiving**: class and labs do not meet week of November 22-26
- **Final Exam**: Friday, December 10, 2021 2:00PM - 3:50PM

In-Class Participation:

A class sign in sheet will be passed around during 12 random lecture sessions. You must sign in on 10 days (and be present the full class period) to receive the full 5%.

zyBooks Participation Activities:

zyBooks participation activities for each week will be due at 1:00PM 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 will be typically 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. Correctly implementing 80% of the lab points will provide the full 25% grade score. That is, you can miss or skip up to 20% without a penalty.

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.

Collaboration:
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 offence 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 Disability Services, 315 Student Union, 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.

Syllabus Attachments:
A copy of the university syllabus attachment will be uploaded to canvas along with the final exam schedule and a supplement pertaining to LASSO resources.

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/computer-lab-services/virtual-labs.html for additional information on setting up the client for virtual labs.

Getting Help: There are quite a few ways to get help in this class.
Here are some of them:
• Go to the supplemental instruction sessions.
• 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 1 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