Syllabus

CSE110 Syllabus

Instructor Info

Instructor(s):

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Catalog Description

This course introduces and explores key concepts of computer science, problem solving, and programming using the Java programming language. Concepts include algorithm design, structured programming, fundamental algorithms, techniques, computer systems concepts, and social and ethical responsibility.

Lecture & Lab

This course is an introductory programming course. The course requires no previous background in programming, but does require considerable dedication and hard work. The course concentrates on programming concepts, problem solving, and basic program design and implementation. The course consists of an interactive textbook that includes readings, lecture content, videos, activities, challenges, assignments, and lab activities.

Required Textbook

CSE 110 Principles of Programming with Java zyBook.

Extra material and supplemental material may be made available through Canvas and through other course resources like Inscribe.

The best way to purchase the course textbook is through
[**Buy or Register Your zyBook (Required) in Week 0** (https://asu.instructure.c](https://asu.instructure.c)

CSE110 Principle of Programming zyBook

This is an interactive electronic textbook (no physical copy available). Th
for the course, and you cannot complete the assignments or final exams withou

*Students can purchase access directly in the class zyBook. Access your class
zyBook link in your Canvas course. Purchasing directly provides students with*

- If you are waiting for financial aid, you can request a deferral for your paym
  process: **https://zybooks.zendesk.com/hc/en-us/articles/360007439574**
  (https://zybooks.zendesk.com/hc/en-us/articles/360007439574/)

- *How do I pay if I don't have a credit card?* ⤷ (https://support.zybooks.co
  us/articles/360035293794-How-can-I-subscribe-if-I-don-t-have-a-credit-card-)

- You will need to purchase the book eventually, but these processes will allo
  funds.

- If you are retaking the course, you can request to apply a previous paymen
  support@zybooks.com (mailto:support@zybooks.com) .

Questions about accessing your zyBook? Reach out to **support@zybooks.co**
(mailto:support@zybooks.com)

If you must purchase an access key through the ASU Bookstore, please re
below:

- Select "in-store pickup" instead of entering a shipping address, as all codes
  (selecting in-store pickup ensures you aren't charged for shipping).
- Once you place the order, you will receive an order confirmation.
- The order enters the Bookstore queue and is generally processed in 24 hou
- After that, you'll receive a second email containing the code and redemption
  within 1-2 business days of receiving the confirmation email.
- If you have waited longer than that, you can email ASU Bookstore at **sunde**
  (mailto:%20sundevil@bkstr.com) with your order #number and they'll look th
  and either resend the code or troubleshoot any problem creating a delay.

Once you have the code to the book, follow these instructions:

- Click any zyBooks assignment link in your learning management system (**D**
  zyBooks website and create a new account)
- Enter the 10-character access key on the subscribe page
- Click Subscribe

Computer Requirements

This is a fully online course; therefore, it requires a computer with internet acce
technologies:

- Web browsers (**Chrome** ⤷ **(https://www.google.com/chrome)** , **Mozilla Fire
  (http://www.mozilla.org/en-US/firefox/new/) , or **Safari** ⤷ **(http://www.apple.c**
- **Adobe Acrobat Reader** ⤷ **(http://get.adobe.com/reader/)** (free)
- Webcam, microphone, headset/earbuds, and speaker
- Microsoft Office (**Microsoft 365 is free** ⤷ **(https://myapps.asu.edu/app/micr**
  home-usage) for all currently-enrolled ASU students)
- Reliable broadband internet connection (DSL or cable) to stream videos.

Note: A smartphone, iPad, Chromebook, etc. will not be sufficient for completin
Online courses. While you will be able to access course content with mobile de
computer for all assignments, quizzes, and virtual labs.

Prerequisites

No courses. Basic computer literacy is useful.

Online Expectations

CSE 110 is far more rigorous and challenging than other 100-level courses. If y
course as a 7.5- or 8-week course, you should plan to spend at least 20 hours
the various activities. It is highly recommended that you should schedule your 2
follows:

- 10 hr/wk – Content (reading, videos, activities) in required textbook
- 2 hr/wk – Lab work
- 6 hr/wk – Individual programming assignments
- 2 hr/wk – Study Hall and Office Hours

You may find that you personally require more or less time for the specific com
and your efforts may vary from module to module. However, it is highly recomm
schedule a full 20 hours per week.

Major Topics Covered in the Course

- Introduction to Computer Science and problem solving
- Variables, data types and expressions

- Console input and output
- Methods (with parameters and return values)
- Flow control structures (decisions and loops)
- Arrays and Array Lists
- Array algorithms (including searching and sorting)
- File input and output
- Introduction to Object Oriented Programming

Learning Outcomes

1. Develop Java programs using primitive types
2. Use predefined classes in their programs such as Math, String and Randor
3. Read and understand Java programs that include multiple methods, contro
4. Develop Java programs with multiple classes and writing methods with con
5. Develop Java programs applying object oriented programming approach
6. Understand the use of static methods and variables
7. Understand searching and basic sorting algorithms

Tips for Success

One does not learn how to program computers by just reading a book and wat
practice is essential.

Students who are most successful in CSE 110:

- Follow the 20 hr/wk schedule recommended in the **Online Expectations** s
  above
- Read the upcoming sections in the textbook ahead of time to first introduce
- Complete every lab and participate actively, post your questions in our InSc
- Review the material in the text again to make sure it is clear
- Read and begin assignments early so they may ask questions and get help
  deadline
- Use the available help systems when help is needed
- Go to Study Hall and Office Hours
- Review and study past assignments, and textbook content in preparation fc

Course Web Site

All documents associated with this course will be made available through your
and ASU's Canvas portal system. All students who are registered in CSE 110 c
to access the course material through ASU's portal. If you experience any diffic
the [**ASU Experience Center**](https://uto.asu.edu/experiencecenter) ⤷ **(https://uto.asu.edu/experiencecenter)** for techr
responsibility to access, complete, and submit your assignments from th

web site. Start working on the assignment as soon as possible. You shou **assignments so you can get help in time, if you need it.** You should also ch announcement page often as the semester progresses.

Getting Help

This course includes a comprehensive set of help resources to support you an success. The list of available help resources is provided on the **Get Help (https://asu.instructure.com/courses/176937/pages/get-help)** page in Canvas. It is you should seek appropriate help as soon as possible. If you are struggling wit assignment, do not expect things to get easier or to make more sense as the s Take full advantage of the available help resources. Start early on all assignme time to use the available help resources when you need them and to get the he able to complete the assignments on time.

Assignments and Assessment

Your course grade in CSE 110 will be based on the distribution below. Each ite in the following sections. There is absolutely no group work allowed in this cou stated by the instructor.

```
Textbook Reading Activities    10%
Lab Challenges                  5%
Lab Participation               5%
Individual Coding Assignments   15%
First Quarter Exam               5%
Midterm Exam                    25%
Third Quarter Exam               5%
Final Exam                      30%
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Total                          100%
```

Textbook Reading Activities

These Reading Activities have fixed due dates. Reading Activities must be com date passes in order to receive any credit for them. There is **no make-up for a Reading Activity**.

Lab Participation and Lab Challenges

You will not have scheduled lab sessions. You will still have lab assignments, a video instructions that you must follow to complete the lab participation credit. Lab Participation activities each week. Lab Participation will help you to comple assignments.

No late lab participations will be accepted for any credit. The lowest Lab P
be dropped from your final grade calculation – even if that score is a zero.

There is **no make-up for any missed Lab Challenge**. The lowest Lab Challer
dropped from your final grade calculation – even if that score is a zero.

Individual Coding Assignments

These Individual Coding Assignments **must be done individually**. **You may n**
other students or use any resources outside of those provided in the course ma
outside sources like Google (or other search tools), or sites like Stack Overflow
Hero, etc. will be considered academic dishonesty (i.e. cheating). **Instances o**
dishonesty will be reported to the Dean's office for disciplinary action, wh
on assignments, a zero in the course, and suspension or expulsion from the sc
Academic Integrity section in this syllabus (below) for more details.

These individual assignments are designed to help you practice the concepts y
this class. Everything you need to successfully complete each Individual Codin
provided in the course materials prior to the actual Assignment. These Individu
Assignments are designed to be challenging, and you will often struggle to suc
them. This struggle is expected and normal. When you are stuck or struggling v
first course of action should be to review the prior course materials in the textbo
give you the information you need to resume progress on the assignment, ther
the provided course help systems that can be found on the **Get Help** page in C
advice is that you should start as early as possible on these Individual Assignm
time to get any help you may need to successfully complete them before the du
late assignments will be accepted for any credit.

The lowest Individual Coding Assignment score will be dropped from you
calculation – even if that score is a zero.

Exams

There will be multiple exams. We have a first quarter exam as well as a third qu
this, we have the Midterm and Final exams, these exams are comprehensive.
multiple choice, fill-in-the-blank, short answer, programming problems, or any c
There is no make-up for any missed exam. Any use of outside sources like
search tools), or sites like Stack Overflow, Chegg, Course Hero, etc. will be co
dishonesty (i.e. cheating). **Instances of academic dishonesty will be reporte**
office for disciplinary action, which may include zeros on assignments, a zer
suspension or expulsion from the school. See the **Academic Integrity** section
(below) for more details.

All exams require you to use Lockdown Browser and Respondus. It is the resp
to install and check that this software properly works on their computer.

As part of the authentication process for taking an exam, students must show e
an official ID, such as driver license or state ID. It is the responsibility of the stu
at the time of the exam.

Makeup Policies

Makeups could be granted due to illness, quarantine or self-isolation related to
by a health professional and communicated to the instructor as soon as posible

Accommodations due to illness do not relieve students from responsibility for a
work required during the period of absence. Faculty will provide accommodatic
make-up work.

If there is a disagreement as to whether an absence should be accommodated
student should contact the academic unit chair immediately for resolution.

Grade Breakdown

The following scale will be used to determine your final grade:

```
Final Grade  Percentage
    A+         >= 98%
    A          >= 90% and < 98%
    B+         >= 88% and < 90%
    B          >= 80% and < 88%
    C+         >= 78% and < 80%
    C          >= 70% and < 78%
    D          >= 60% and < 70%
    E          <  60%
```

No curving or rounding will be applied to your grades. All students must have
both the exam component of the class and the assignments component of the
the class.

The grade of "I" (incomplete) can be given ONLY when a student, who is doing
work (passing grade), is unable to complete a part of work (e.g., the final exam
documented illness or other conditions beyond the student's control. In the latt
must discuss with the instructor and complete an application form from the dep
part of work is due or as soon as the circumstances are known. Please see AS
https://students.asu.edu/grades ⤷ **(https://students.asu.edu/grades)** .

Grading Appeals

Any discrepancy or disagreement in grading must be presented to the instructo
week (7 days) of your receipt of your graded materials (the due date); otherwis
be made. Your email must include the following: Your full name, Your ASU-Rite
course section number, your CSE 110 Lab section #, the name of the assignme
justification for challenging the grade you received on this assignment.

If the dispute is not resolved with the instructor, the student may appeal to the
the **University Policy for Student Appeal Procedures on Grades.** ⮕
(https://catalog.asu.edu/appeal)

Assignment Submissions

Individual Assignment, Lab Participations, and Lab Challenges will be submitte
through the required interactive textbook and/or Canvas. Please note that **sub
will not be accepted for any credit**. Instructions for submitting assignments v

Assignment due dates follow Arizona Standard time. Click the following link to
Convertor ⮕ **(https://dateful.com/time-zone-converter)** to ensure you account f
Time Zones. Note: Arizona does not observe daylight savings time.

Important Note: The instructor reserves the right to change this grading syste
progresses and various circumstances develop.

Withdrawing from the course: This course adheres to a compressed schedu
a sequenced program, therefore, there is a **limited timeline** ⮕ **(https://studen
calendar)** to drop or add the course.

Consult with your advisor and notify your instructor to add or drop this course.
withdrawal, review the following ASU policies: **Withdrawal from Classes, Med
Withdrawal** ⮕ **(https://www.asu.edu/aad/manuals/ssm/ssm201-09.html)** , and a
⮕ **(https://www.asu.edu/aad/manuals/ssm/ssm203-09.html)** .

Communication with the Instructor

This course uses a discussion board for general questions about the course. P
question, please check the syllabus, announcements, and existing posts. If you
answer, post your question in the relevant channel. You are encouraged to res
of your classmates.

ASU email is an official means of communication among students, faculty, and expected to read and act upon email in a timely fashion. Students bear the res messages and should check their ASU-assigned email regularly. Email questio nature to your instructor or assigned TA. You can expect a response within 48 **correspondence will be sent to your ASU email account.**

Requirements for Success in this Course

The instructor assumes that you are mature and responsible adults, that you a course because you wish to learn the material, that you will read any assigned begins, that you will come to class prepared to discuss the reading and ask qu complete the assignments to the best of your ability on time, that you will active discussions, and that you will ask questions about material you find confusing.

The instructor believes that college students must be actively involved in their that they cannot just sit and listen to lectures and expect to learn the material, purposes of college education and the Arizona State University mission is for th develop skills such as problem solving, independent learning, critical thinking, and spoken communication. To succeed in this course you must:

- Be prepared for every class, engage every lab, and pay attention.
- Read the textbook and any assigned readings prior to class.
- Begin and complete the programming assignments well before the due date
- Prepare thoroughly for and complete every exam.
- Do any additional exercises you must to understand the material.
- Ask questions through the diverse forums provided through Canvas
- If you do not complete an assignment by the deadline, complete it anyway remember that there in a no-late policy.
- If you miss points on an assignment or exam, determine why your answer and learn the correct answers.
- Seek help from the resources available on the **Get Help** page in Canvas, b behind on your understanding of the subject.
- Check the course Canvas website every day for new announcements, mate

University Policies

This is an online course. There are no face-to-face meetings. You can access MyASU. To learn more about online courses please visit **ASU Online Course (https://asuonline-dev.asu.edu/qm-template/CanvasQM/qm-policies.html)** .

All university and college policies concerning withdrawal deadlines, incomplete procedures are in effect for this course. All students are advised to be aware of these guidelines.

Academic Integrity

Students in this class must adhere to ASU's academic integrity policy, which ca
https://provost.asu.edu/academic-integrity/policy ⤷ **(https://provost.asu.ed**
integrity/policy)). Students are responsible for reviewing this policy and unders
areas in which academic dishonesty can occur. In addition, all engineering stud
adhere to both the ASU Academic Integrity Honor Code and the Fulton School
Code. All academic integrity violations will be reported to the Fulton Schools of
Academic Integrity Office (AIO). The AIO maintains records of all violations an
academic integrity violations committed in all other ASU colleges/schools.

The Student Academic Integrity Policy of Arizona State University requires eac
honesty and integrity and to respect the rights of others in carrying out all acad
There are a number of actions that constitute a violation of the policy. These ad
include, but are not limited to:

- practicing any form of academic deceit;
- referring to materials or sources or employing devices (e.g., audio recorder
  sheets, calculators, solution manuals, or commercial research services) no
  authorized by the instructor for use during tests, quizzes, homework, and cl
- acting as a substitute for another person in any academic evaluation or usir
  academic evaluation;
- possessing, buying, selling, or otherwise obtaining or using, without approp
  copy of any materials intended to be used for academic evaluation in advar
  administration;
- depending on the aid of others to the extent that the work is not representat
  abilities, knowing or having good reason to believe that this aid is not autho
- providing inappropriate aid to another person, knowing or having good reas
  not authorized by the instructor;
- submitting the ideas or work of another person or persons without customa
  acknowledgment of sources (i.e., engaging in plagiarism);
- permitting one's own ideas or work to be submitted by another person witho
  authorization, or attempting to influence or change any academic evaluatio
  having no relevance to class achievement
- turning in work/code done by someone else or another pair/group
- copying work/code done by someone else or another pair/group
- writing code together with someone else or with another pair/group (unless
  the instructor).

Students should not release (to GitHub, friends, etc.) any of their completed as
ensure that they do not cause an AIP violation during a future semester. If a stu
submits your work, you and they will be held accountable.

Copyright

Course content, including text, videos, assignments, labs, and lectures, are co[...] and students may not share outside the class, upload to online websites not ap[...] instructor, sell, or distribute course content or notes taken during the conduct o[...] 304–06, "Commercial Note Taking Services" and ABOR Policy 5-308 F.14 for n[...]

You must refrain from uploading to any course shell, discussion board, or webs[...] instructor or other course forum, material that is not the student's original work, [...] first comply with all applicable copyright laws; faculty members reserve the righ[...] on the grounds of suspected copyright infringement.

In general, the instructor believes learning is a collaborative activity - that stude[...] they work together - and that students should be encouraged to learn from and[...]

In completing the Lab Challenges, student collaboration is encouraged and wil[...] as each student contributes equally to the work. Failure to abide by these rules[...] of zero being assigned to one or more students (if I have a reasonable hunch t[...] of the work on a Lab Challenge and the other student(s) simply copied it, then [...] of the work will receive the assignment score and the other students will be giv[...] **Collaboration on Individual assignments and exams are not permitted**; ea[...] assignments and exams must be completed by the individual student.

Professional and Ethical Behavior

All students in this class are expected to treat others fairly, with respect and co[...] such factors as race, religion, sexual orientation, gender, disability, age, or nati[...] class, you are expected to contribute to the overall campus climate such that o[...] are respected, and are able to develop to their full potential. This will allow eac[...] to the success of the class as a whole. ASU and the College of Engineering ar[...] maintaining a productive, enjoyable and diverse campus environment.

Students are expected to effectively communicate ideas. Inappropriate languag[...] does not effectively communicate your ideas to an audience. Inappropriate lan[...] only profanity, but also words that are demeaning to a person or group (racially[...] etc.). You are expected to participate in the various classroom activities, includ[...]

- coming to each class on time and staying until dismissed;
- following instructions given by the instructor, including actively working on v[...] has been given;
- not consuming any food or drink while in the ASU classrooms, and not brin[...] containers of food or drink into the classrooms; and
- avoiding disruptive side conversations.

You are expected to make appropriate use of ASU facilities and property, includ

- leaving a clean work space – tables, floors and chairs; all trash picked up a
  treating walls, furniture and floors properly –putting feet on tables and chair
  upon or disfiguring furniture; and
- leaving computers as you would furniture – clean and ready to use, without
  software, links, screen savers or settings that will offend or impede the effo
  users.

These are consistent with university-wide behavioral expectations described in
conduct and policies administered through **ASU Office of Student Life - Stud**
⬀ **(http://www.asu.edu/studentlife/judicial/index.html)** .

Classroom (remote or in-person) Behavior

Students, faculty, staff, and other individuals do not have an unqualified right of
grounds, property, or services. Interfering with the peaceful conduct of universi
activities or remaining on campus grounds after a request to leave may be con
incidents and allegations of violent or threatening conduct by an ASU student (
campus) must be reported to the ASU Police Department (ASU PD) and the O
Students.

The **ASU Student Services Manual (SSM 201-10)** ⬀ **(http://www.asu.edu/aad**
10.html) permits the instructor to withdraw a student from a course for disruptiv
of W (withdrawal) or E (failure). Note that "disruptive behavior" is defined by the
University or the student. Violation of conventional and acceptable classroom b
the offender being asked to exit the classroom and notification of the offense to
Engineering's Dean's Office. A warning may or may not be provided. Any violer
conduct by an ASU student in this class will be reported to the ASU Police Dep
of the Dean of Students.

Note that in general, you may sit where you wish. However, the instructor has t
sit in a specific seat or move to a different seat at any time during the semester
moved students whom I suspected were cheating during an exam, and I will do
believe you are looking at another student's paper or sharing answers during a

Harassment and Sexual Discrimination

Arizona State University is committed to providing an environment free of discr
or retaliation for the entire university community, including all students, faculty r
employees, and guests. ASU expressly prohibits discrimination, harassment, a
employees, students, contractors, or agents of the university based on any pro

color, religion, sex, national origin, age, disability, veteran status, sexual orienta
and genetic information.

Title IX is a federal law that provides that no person be excluded on the basis o
participation in, be denied benefits of, or be subjected to discrimination under a
or activity. Both Title IX and university policy make clear that sexual violence a
on sex is prohibited. An individual who believes they have been subjected to s
harassed on the basis of sex can seek support, including counseling and acad
university. If you or someone you know has been harassed on the basis of sex
you can find information and resources at **https://sexualviolenceprevention.a**
(https://sexualviolenceprevention.asu.edu/faqs) .

As a mandated reporter, I am obligated to report any information I become awa
alleged acts of sexual discrimination, including sexual violence and dating viole
Services, https://eoss.asu.edu/counseling is available if you wish to discuss an
confidentially and privately. ASU online students may access 360 Life Services

https://goto.asuonline.asu.edu/success/online-resources.html ⇗
(https://goto.asuonline.asu.edu/success/online-resources.html) .

Statement on Accommodations

The **Student Accessibility and Inclusive Learning Services** ⇗ **(https://eoss.**
(480-965-1234; Matthews Center; email: Student.Accessibility@asu.edu) is the
students requiring accommodation. Any student requiring accommodation mus
with the Center before any accommodation requests can be granted by the ins
accommodation, please contact the Center as soon as possible so the instruct
ensure your success.

Suitable accommodations will be made for students having disabilities. Studen
accommodations must register with the ASU disabilities resource Center and p
of that registration to the instructor. Students should communicate the need for
sufficient time for it to be properly arranged.

Click Homepage (https://asu.instructure.com/courses/1634
Homepage or Module (https://asu.instructure.com/courses/17693
to