Course Number
CSE110

Course Title
Principles of Programming with Java

Credits
3

Prerequisites
- No courses. Basic computer literacy is useful.

Faculty
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Catalog Description

Concepts of problem solving using Java, algorithm design, structured programming, fundamental algorithms and techniques, and computer systems concepts. Social and ethical responsibility.

Course Overview

The purpose of this course is to introduce you to computer programming using Java language. You will learn basic skills and concepts of Object Oriented programming using Java. You will learn topics such as fundamental data types in Java, decisions, loops, Objects Oriented design and arrays. Upon successful completion of this course, you will be equipped with; problem analysis and algorithm design techniques, structured and object oriented programming concepts, and a good understanding of the Java programming language.

This course is an introductory course to programming using Java. No previous background in programming is required. Only a basic knowledge of using computers - directory structure; copy, move, and rename files and folders are expected. However, dedication and hard work is required to succeed in this course.

Textbook: Java for Everyone, Late Objects

Learning Outcomes

At the completion of this course, students will be able to:

- Introduction to problem solving, requirements & specifications, algorithms
- Java Primitive data types (int, double, char, ...
- Control structures: if-else statements, switch statements, loops
- Classes, objects, methods, parameters , overriding, overloading
- Arrays, searching and sorting

Course Topics, Schedule & Grading

All due times reflect Arizona Mountain Standard Time.

Unit	Topic	Activities/ Assessments
1 10/11 - 10/18	Introduction Data Types Input/output	Reading: Chapter 1 and 2 (through section 2.3) Lab 1 is due by Monday October 16 at 11:59 pm Lab 2 is due by Tuesday October 17 at 11:59 pm **Quiz 1 is due by Wednesday October 18 at 11:59 pm** **Assignment 1 is due by Wednesday October 18 at 11:59 pm**
2 10/19 - 10/25	Using Classes Control structures - Decisions	Reading: Chapter 2 (from 2.5 to end) and Chapter 3 Lab 3 is due by Monday October 23 at 11:59 pm **Quiz 2 is due by Wednesday October 25 at 11:59 pm** **Assignment 2 is due by Wednesday October 25 at 11:59 pm**
3 10/26 - 11/01	Control structures - Looping	Reading: Chapter 4 **Exam 1 is due by Wednesday Nov. 6 at 11:59 pm** Lab 4 is due by Monday Oct 30 at 11:59 pm **Quiz 3 is due by Wednesday Nov. 1 at 11:59 pm** **Assignment 3 is due by Wednesday Nov. 1 at 11:59 pm**
4 11/02 - 11/08	Introduction to methods and classes	Reading: Chapter 5 (5.1-5.5) and Chapter 8 (8.1-8.7) Lab 5 is due by Monday Nov. 6 at 11:59 pm **Quiz 4 is due by Wednesday Nov. 8 at 11:59 pm** **Assignment 4 is due by Wednesday Nov. 8 at 11:59 pm**
5 11/09 - 11/15	Methods & More on Object Oriented Programming	Reading: Chapter 5 (5.6-5.8) and Chapter 8 (8.8-8.11) Lab 6 is due by Monday Nov. 13 at 11:59 pm **Quiz 5 is due by Wednesday Nov. 15 at 11:59 pm** **Assignment 5 is due by Wednesday Nov. 15 at 11:59 pm**
6 11/16 - 11/22	Introduction to Arrays	Reading: Chapter 6 (6.1-6.3) **Exam 2 is due by Wednesday Nov. 22 at 11:59 pm** Lab 7 is due by Monday Nov. 20 at 11:59 pm **Quiz 6 is due by Wednesday Nov. 22 at 11:59 pm** **Assignment 6 is due by Wednesday Nov. 22 at 11:59 pm**
7 11/23 - 11/29	2D Arrays Searching and Sorting arrays	Reading: Chapter 6 (6.4-6.7) Lab 8 is due by Monday Nov 27 at 11:59 pm **Quiz 7 is due by Wednesday Nov. 29 at 11:59 pm** **Assignment 7 is due by Wednesday Nov. 29 at 11:59 pm**
7.5 11/30 -12/01	Final exam	**Cumulative Final Exam is due by Friday Dec. 1 at 11:59 pm**

Your course grade in CSE110 will be based on the distribution below.

Assessment	# points each	# of them	% of Final Grade (total)
Quizzes	10	7	15%
Labs	10	8	15%
Assignments	20	7	30%
Midterm Exams	100	2	20%
Final Exam	100	1	20%

Your Final Percentage = 30%*(Your Assignment Points/Total Assignment Points) + 20%*(Your midterms Points/200) + 20%*(Your final exam/100) + 15% *(Your Quiz Points/Total Quiz Points) + 15%*(Your Lab Points/Total Lab Points)

Grade Breakdown:

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%

Grading Procedure
Grades reflect your performance on assignments and adherence to deadlines. Graded assignments will be available within 48 hours of the due date via the Gradebook.

Communicating With the Instructor

This course will use Piazza for all questions about the course. Prior to posting a question, please read the Piazza posting guidelines topic on Piazza, and check the syllabus, announcements, and existing posts. If you do not find an answer, post your question. You are encouraged to respond to the questions of your classmates.

For questions about Lecture Materials, Labs and Assignments we will also be using Piazza. Please post specific questions when asking for help and do not publicly post your full code to Piazza (you can privately if needed). Also please try to highlight the sections of your post that contain Java code by selecting it and clicking on the code button. It is best to start the assignments and labs early to be sure you receive help. You should not expect to start your assignments during office hours and have them finished by the time they are due.

The course site on Piazza can be found by clicking on Piazza in the course menu.
You may email questions of a personal nature to your instructor (anishp@asu.edu) or use a private post on Piazza. You can expect a response within 48 hours.

Key Sections from the Piazza User Agreement
This course uses a product called Piazza. Recently the company has added a **Piazza Careers** service. This is something that you can choose to add to your Piazza account, but is not required for this class. Please read these two key user privacy sections from the Piazza Terms of Use before opting into the service.

Under FERPA:

If you choose to opt-in to Piazza Careers, you consent to the release of information you added to your user profile, which may include education records, to companies that participate in Piazza Careers. These companies will have access to selected information in your user profile.

The Service is not a part of or endorsed by the School. If you create a class, you represent and warrant that the School associated with or created for such class is valid and that you are validly affiliated with the School.

Under Proprietary Rights

The Service may include advertisements, which may be targeted to the User Content or information on the Service, queries made through the Service, or other information. The types and extent of advertising on the Service are subject to change. In consideration for Piazza granting you access to and use of the Service, you agree that Piazza and its third party providers and partners may place such advertising on the Service. You may have the opportunity to opt-out of advertising. We do not give your User Content or information to advertisers without your consent. Piazza Careers is a program where users can learn about and connect with companies to explore job opportunities. Participation in Piazza Careers is wholly optional and you may opt-out of the program at any time.

The entire terms of use can be found at the following link.

 https://piazza.com/legal/terms

Opting Out of Piazza Careers:

If you have already signed up for Piazza Careers and wish to opt out:

1. Log into Piazza and go to your "Settings" icon (next to your name in the upper right)

2. Under "Career Opportunities are not currently relevant to me" - select "Turn Off Piazza Careers"

If you need assistance, please contact the ASU Helpesk via the HELP tab in Blackboard.

Online Course
This is an online course. There are no face-to-face meetings.

Email and Internet
ASU email is an official means of communication among students, faculty, and staff. Students are expected to read and act upon email in a timely fashion. Students bear the responsibility of missed messages and should check their ASU-assigned email regularly.
All instructor correspondence will be sent to your ASU email account.

Course Time Commitment
This three-credit course requires approximately 135 hours of work. Please expect to spend around 18 hours each week preparing for and actively participating in this course.

Late or Missed Assignments
Notify the instructor **BEFORE** an assignment is due if an urgent situation arises and the assignment will not be submitted on time. Published assignment due dates (Arizona Mountain Standard time) are firm. Please follow the appropriate University policies to request an accommodation for religious practices or to accommodate a missed assignment due to University-sanctioned activities.

Submitting Assignments
All assignments, unless otherwise announced, MUST be submitted via Blackboard entries. Do not submit an assignment via email. Submission links will be available until 48 hours after due date and there will be 20% penalty for late submission.

Drop and Add Dates/Withdrawals
This course adheres to a compressed schedule and may be part of a sequenced program, therefore, there is a limited timeline to drop or add the course. Consult with your advisor and notify your instructor to add or drop this course. If you are considering a withdrawal, review the following ASU policies: Withdrawal from Classes, Medical/Compassionate Withdrawal, and a Grade of Incomplete.

Grade Appeals
If you have a question about the grading of an assignment or exam, you need to contact the instructor within a week from the date it was posted on BlackBoard. Any appeals after a week won't be accepted.
Grade disputes must first be addressed by discussing the situation with the instructor. If the dispute is not resolved with the instructor, the student may appeal to the department chair per the University Policy for Student Appeal Procedures on Grades.

Student Conduct and Academic Integrity
ASU expects and requires its students to act with honesty, integrity, and respect. Required behavior standards are listed in the Student Code of Conduct and Student Disciplinary Procedures, Computer, Internet, and Electronic Communications policy, ASU Student Academic Integrity Policy, and outlined by the Office of Student Rights & Responsibilities. Anyone in violation of these policies is subject to sanctions.

[Students are entitled to receive instruction free from interference](#) by other members of the class. An instructor may withdraw a student from the course when the student's behavior disrupts the educational process per [Instructor Withdrawal of a Student for Disruptive Classroom Behavior](#).

Appropriate online behavior (also known as *netiquette*) is defined by the instructor and includes keeping course discussion posts focused on the assigned topics. Students must maintain a cordial atmosphere and use tact in expressing differences of opinion. Inappropriate discussion board posts may be deleted by the instructor.

The Office of Student Rights and Responsibilities accepts [incident reports](#) from students, faculty, staff, or other persons who believe that a student or a student organization may have violated the Student Code of Conduct.

Prohibition of Commercial Note Taking Services

In accordance with [ACD 304-06 Commercial Note Taking Services](#), written permission must be secured from the official instructor of the class in order to sell the instructor's oral communication in the form of notes. Notes must have the notetaker's name as well as the instructor's name, the course number, and the date.

Course Evaluation

Students are expected to complete the course evaluation. The feedback provides valuable information to the instructor and the college and is used to improve student learning. Students are notified when the online evaluation form is available.

Syllabus Disclaimer

The syllabus is a statement of intent and serves as an implicit agreement between the instructor and the student. Every effort will be made to avoid changing the course schedule but the possibility exists that unforeseen events will make syllabus changes necessary. Please remember to check your ASU email and the course site often.

Accessibility Statement

In compliance with the Rehabilitation Act of 1973, Section 504, and the Americans with Disabilities Act of 1990, professional disability specialists and support staff at the Disability Resource Center (DRC) facilitate a comprehensive range of academic support services and accommodations for qualified students with disabilities.

[Qualified students with disabilities may be eligible to receive academic support services and accommodations](#). Eligibility is based on qualifying disability documentation and assessment of individual need. Students who believe they have a current and essential need for disability accommodations are [responsible for requesting accommodations and providing qualifying documentation](#) to the DRC. Every effort is made to provide reasonable accommodations for qualified students with disabilities. Qualified students who wish to request an accommodation for a disability should contact their campus DRC.

Tempe Campus	Polytechnic Campus
http://www.asu.edu/studentaffairs/ed/drc/ 480-965-1234 (Voice) 480-965-9000 (TTY)	http://www.asu.edu/studentaffairs/ed/drc/ 480-727-1165 (Voice) 480-727-1009 (TTY)
West Campus http://www.west.asu.edu/drc/ University Center Building (UCB), Room 130 602-543-8145 (Voice)	Downtown Phoenix Campus and ASU Online http://campus.asu.edu/downtown/DRC University Center Building, Suite 160 602-496-4321 (Voice) 602-496-0378 (TTY)

Computer Requirements

This course requires a computer with Internet access and the following:

- Web browsers (Chrome, Internet Explorer, Mozilla Firefox, or Safari)
- Adobe Acrobat Reader (free)
- Adobe Flash Player (free)
- Microphone (optional) and speaker
- **Webcam** for proctoring software in exams

Technical Support

This course uses Blackboard to deliver content. It can be accessed
through MyASU at http://my.asu.edu or the Blackboard home page at https://myasucourses.asu.edu
To monitor the status of campus networks and services, visit the System Health Portal
at http://syshealth.asu.edu/.
To contact the help desk call toll-free at 1-855-278-5080.

Student Success

This is an online course. To be successful:
- check the course daily
- read announcements
- read and respond to course email messages as needed
- complete assignments by the due dates specified
- communicate regularly with your instructor and peers
- create a study and/or assignment schedule to stay on track