GLENDALE COMMUNITY COLLEGE
BUSINESS DIVISION

COURSE OVERVIEW FOR

CS/IS 130 - INTRODUCTION TO ALGORITHMS

Instructor: Zare Agazaryan
Ticket #: 1463
Semester: Fall 2025
Room: N/A
Class Days/Hours: Online
Office Hours: Via Calendly: https://calendly.com/zarea/virtual-office-visit
Telephone: (818) 240-1000
Email Address: zarea@glendale.edu
Website: http://www.agazaryan.com/csis130.html
Tutor(s): N/A
SI: N/A

Course Description

Computer Science/Information Systems 130 is a course in programming, algorithm development and problem-solving using both object-oriented and structured approaches. It includes a study of syntax and data structures with applications in science, engineering, and industry. This course is suitable either for students planning to transfer or those wishing to develop a marketable skill.
Transfer Credit: CSU, UC, USC.

Prerequisites:

CS/IS 112 - Introduction to Programming Using Java

Disabled Students

All students with disabilities requiring accommodations are responsible for making arrangements in a timely manner through the Center for Students with Disabilities.

Textbook and Supplies

Required

Starting Out with Java: From Control Structures through Objects
7th Edition
Tony Gaddis, Haywood Community College
Publisher: Pearson; February 26, 2018
ISBN-10: 0134802217
ISBN-13: 978-0134802213

Required (available free for download)

Data Structures and Algorithm Analysis in Java, Third Edition
(September 14, 2011)
Edition 3.2 (Java Version)

Clifford A. Shaffer
Department of Computer Science, Virginia Tech
Publisher: Dover Publications
ISBN-13: 9780486485812
ISBN-10: 0486485811

Attendance

Online attendance is checked by using students' online activities. Students are required to show positive attendance during the entire course.

DON'T GET DROPPED! Students cannot miss more than two weeks' worth of assignments in online classes. Online assignments include at minimum weekly check-in assignments, lab-work and homework programming assignments that are due EOD (end-of-day) Friday and Sunday respectively.

Attendance or participation is never measured by 'logging-in' or time spent in Canvas.

Make-up Policy

There are no make-up examinations, homework, etc. All students are required to take the midterm and final exams in order to pass the class. If a student can't comply with the assignment due dates, the student is required to make arrangements with the instructor one week or more before the assignment date.

Assignments that need to be submitted through Canvas have strict due date policies. Assignments that need to be submitted through HyperGrade also have strict due date policies. All students get a pool of 7 late days through HyperGrade, when they register for the class. These late days can be used to extend assignment due dates without penalty in 24-hour increments. Late days cannot be used for midterm and final examination assignments.

Examinations and Grading

Your final course grade will consist of a composite of the following:

Weekly Check-Ins	5%	Short paragraphs to summarize what you've learned during each week (Canvas)
Lab Programming Assignments	15%	Weekly (shorter or smaller) programming assignments (HyperGrade) due Friday
Homework Programming Assignments	25%	Weekly (longer or larger) programming assignments (HyperGrade) due Sunday
Midterm Exam	12.5%	30 multiple-choice questions exam (Canvas)
Midterm Programming Assignment	12.5%	1 programming assignment to be completed within 24 hours (HyperGrade)
Final Exam	15%	30 multiple-choice questions exam (Canvas)
Final Programming Assignment	15%	1 programming assignment to be completed within 24 hours (HyperGrade)

First Week Drop Policy

This instructor reserves the right to drop no-shows after the first week of the online classes, if no prior arrangements were made for the absence. See above "Attendance" section for details.

Academic Honesty Policy

This instructor follows the Glendale Community College Honesty Policy as listed in the *Glendale Community College Catalog* and the *Student Handbook* (free at Information Desk near Admissions). Students are, at all times, required to do their own work. No copying of other students' work, whether on a test or on routine classwork, is allowed at any time. Activities that are considered to be CHEATING include, but are not limited to, the following:

- Copying a programming assignment from another student and submitting as your own
- Talking, signing, texting, messaging, using any other electronic device, or otherwise communicating with another student during an exam
- Copying or attempting to copy answers to exam questions from another student.

Violation of any of these rules (i.e. cheating) could result in a lowering of the exam grade or the course grade (e.g. a "Fail"), and the violator's name and student I.D. number will be sent, with a description of the violation, to the Division Chair and to the Vice President of Instruction to be kept on record for future reference. The Dean of Student Activities may also be contacted for disciplinary action, if necessary.

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Schedule of Classwork, Homework, Exams, and Other Activities

Schedule:

Week 1	*Mon, Sep 1*	-	Labor Day
	Tue, Sep 2		Java Review - Conditional Statements, Loops
Week 2	*Mon, Sep 8*	-	Strings, Reading and Writing Text Files
	Fri, Sep 12		Lab #1 Due
	Sun, Sep 14		Homework #1 Due
Week 3	*Mon, Sep 15*	-	Methods, Parameter Passing in Java
	Fri, Sep 19		Lab #2 Due
	Sun, Sep 21		Homework #2 Due
Week 4	*Mon, Sep 22*	-	Arrays
	Fri, Sep 26		Lab #3 Due
	Sun, Sep 28		Homework #3 Due
Week 5	*Mon, Sep 29*	-	Sum/Average, Find-Max, Find-Min
	Fri, Oct 3		Lab #4 Due
	Sun, Oct 5		Homework #4 Due
Week 6	*Mon, Oct 6*	-	ArrayList Class
	Fri, Oct 10		Lab #5 Due
	Sun, Oct 12		Homework #5 Due
Week 7	*Mon, Oct 13*	-	Review
Week 8	***Mon, Oct 20***	**-**	**Midterm Exam**
Week 9	*Mon, Oct 27*	-	More Array Algorithms
	Fri, Oct 31		Lab #6 Due
	Sun, Nov 2		Homework #6 Due
Week 10	*Mon, Nov 3*	-	Wrapper Classes
	Fri, Nov 7		Lab #7 Due
	Sun, Nov 9		Homework #7 Due
Week 11	*Mon, Nov 10*	-	Veterans' Day
	Tue, Nov 11		Text Processing
	Fri, Nov 14		Lab #8 Due
	Sun, Nov 16		Homework #8 Due
Week 12	*Mon, Nov 17*	-	Searching Algorithms
	Fri, Nov 21		Lab #9 Due
	Sun, Nov 23		Homework #9 Due
Week 13	*Mon, Nov 24*	-	Sorting Algorithms
	Thu, Nov 27 – *Sat, Nov 29*		Thanksgiving Vacation
Week 14	*Mon, Dec 1*	-	Recursive Algorithms
	Fri, Dec 5		Lab #10 Due
	Sun, Dec 7		Homework #10 Due
Week 15	*Mon, Dec 8*	-	Review
Week 16	***Mon, Dec 15***	**-**	**Final Exams**

ISSUES OR COMPLAINTS:

Please address any issues you may have that are related to this course *with me, your instructor*, either in person during my office hours (see above) or by e-mail. If you and I cannot resolve the issue, I will refer you to the division chair, Michael Scott, mscott@glendale.edu, 818-240-1000, ext. 5746, office location SG-152, or see Seda Melikyan in the Division Office, SR-311, ext. 5484, for an appointment.