



CS/CE 2336 – Computer Science II (Java) Syllabus

Term	Fall 2026			
Sections	2336.009	ECSS 2.203	TR	1130-1245
	2336.012	ECSW 1.365	TR	230-345

Instructor

Name	Prof. Gordon Arnold
Office	ECSS 4.232
Email	gordon.arnold@utdallas.edu
Hours	TR 1000-110 or by appointment
Website	http://golear.org

Contacting the Instructor **Email:** I teach a lot of classes, a lot of sections in those classes, and a lot of students. Contacting me by email is always the best way, but you must start the subject line of any e-mail you send with your class and section (e.g. “CS 2336.009” or “CS 2336.012”). If you do not, it will be marked as spam (not the gelatinous canned meat product) and will not be answered.

Making an Appointment: Often, making an appointment is the best way to meet with me. Please use MS Teams or Outlook to send me a meeting request. As with e-mail please include your class and section in the request.

Phone/Teams Chat: If you try to contact me by phone or through chat on MS Teams, I cannot guarantee a timely response.

Course Information

Course Description	Further applications of programming techniques, introducing the fundamental concepts of data structures and algorithms. Topics include recursion, fundamental data structures (including stacks, queues, linked lists, hash tables, trees, and graphs), and algorithmic analysis. Includes comprehensive programming projects. The programming language of choice is Java. Credit cannot be received for both CS 2337 and CS/CE 2336. (3-0) S
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Prerequisites	Pre-requisite: (CE/CS 1337) with a grade of C or better. Students will also be registered for an exam section.
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Learning Outcomes	✓ Ability to create a comprehensive programming project ✓ Ability to implement recursive algorithms ✓ Ability to implement linked lists, stacks, and queues ✓ Ability to implement a binary tree ✓ Ability to use hash tables and graphs ✓ Ability to understand algorithmic analysis ✓ Ability to implement and use generics/templates
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Required Texts	- zyBooks subscription (\$94): - Make sure you know what sections of CS 2336 you are taking - Sign in or create an account at http://learn.zybooks.com - You MUST use your UTD e-mail address (netid@utdallas.edu) - You will need to create a password for this account - You should not use your UTD e-mail password - Enter zyBook code: UTDALLASCE2336CS2336ArnoldFall12026 - Subscribe					
IDE Information:	Use of laptop or other computer for completing programming assignments and exercises with software for creating and compiling Java programs is required. However, we will not be using them during the lectures. During the lecture I will primarily use a browser-based IDE called OnlineGDB: https://www.onlinegdb.com/ While OnlineGDB can be used to practice coding skills, course homework and projects will be turned in using the zyBooks IDE.					
Grading Criteria	Homework/Labs	20%	A+	≥97	C-	70-72
	Project	10%	A	93-96	D+	67-69
	Exam #1	20%	A-	90-92	D	63-66
	Exam #2	20%	B+	87-89	D-	60-62
	Exam #3	20%	B	83-86	F	<60
	Participation	10%	B-	80-82		
	Make-Up Exams	NONE	C+	77-79		
	Late Work	NONE	C	73-76		
	Extra Credit	NONE				
	Curve of ANY Kind	NONE				
CSMC:	The Computer Science Mentoring Center (CSMC) is a resource made freely available to all students taking this class, with costs supported by the CS Department. The CSMC provides assistance in many areas including: - Understanding core concepts related to this class - Developing a logical framework for a program - Connecting programming constructs to the logic of the program - Assisting in solving syntax and logical errors in your code The mentors will meet with you 1-on-1 to address your specific problem areas. Their goal is to help you understand what is wrong and how to fix it, but they will not do the work for you. For more information about the CSMC, including location and hours of operation, please visit http://csmc.utdallas.edu					

Course Policies & Classroom Expectations

Comet Creed	"As a Comet, I pledge honesty, integrity, and service in all that I do."
Attendance Policy	This course is scheduled to be taught in the Traditional (in person) Mode. Regular and punctual class attendance is expected. Students who fail to attend class regularly are inviting scholastic difficulty.
Computers, Phones, and Recording Devices	I do not permit computers, cell phones, or recording devices in class during lectures. Tablets that use a digital pen (no keyboards or mice) are allowed for students to take notes. This is not a popular rule among students, but it is done so to maintain fairness in the academic environment for all students. There is no need to copy my examples in class as I will make them available to you. I would rather you focus on how we are solving the problem.
Cheating	Homework, labs, projects, and exams are individual endeavors. I have a zero-tolerance policy for cheating. Should I discover cheating issues, I will immediately report to the OCSC without warning for disciplinary action. Cheating can include (but is not limited to) the following: • Copying answers from a classmate • Turning in answer(s) that were clearly derived from a classmate's answers • Falsifying attendance or quiz/exam registry • Work (and especially code) created by AI and not by you • Faking code functionality (making it pass tests without actually doing the work) The only resources you are allowed to use for your work are: • your instructor • the assigned textbooks (except for the written portion of exams) • the CSMC (except for projects/exams)
Grade Disputes	All grade disputes must be reported within 1 week of the grade in question being posted in eLearning. Uncontested grades will become final after 1 week and cannot be disputed later. If you have questions regarding your grades, please contact your instructor. Please note that due to FERPA, grades cannot be discussed via e-mail.
Class Materials & Recordings	The instructor may provide class materials that will be made available to all students registered for this class as they are intended to supplement the classroom experience. These materials may be downloaded during the course, however, these materials are for registered students' use only. Classroom materials may not be reproduced or shared with those not in class, or uploaded to other online environments. Students are expressly prohibited from recording any part of this course. <u>This includes cell phone cameras/video.</u> Failure to comply with these University requirements is a violation of the <u>Student Code of Conduct</u>, and <u>will</u> negatively impact your grade.

Additional Resources

Academic Support	Please go to http://go.utdallas.edu/academic-support-resources .
Syllabus Policies	Please go to http://go.utdallas.edu/syllabus-policies for these policies.

Course Schedule (Tentative)

Date	Topic	zyBook Chapter
Tue, Aug 25	Syllabus Review, zyBooks, and OnlineGDB	
Thu, Aug 27	Basic Elements of Java	Chapters 3 - 7
Tue, Sep 1	I/O and Control Structures	
Thu, Sep 3	User-Defined Functions, Arrays, Strings	Chapters 8 - 10
Tue, Sep 8	User-Defined Functions, Arrays, Strings	
Thu, Sep 10	Recursion	Chapter 11
Tue, Sep 15	Objects and Classes	Chapter 12
Thu, Sep 17	Objects and Classes	
Tue, Sep 22	Inheritance and Polymorphism	Chapter 13
Thu, Sep 24	Inheritance and Polymorphism	
Tue, Sep 29	Abstract Classes and Interfaces	Chapter 14
Thu, Oct 1	Exam Review	
Fri, Oct 2	Exam 1 (Oct 2, Friday 4-6pm)	
Tue, Oct 6	Linked Lists	Chapter 15
Thu, Oct 8	Linked Lists	
Tue, Oct 13	Stacks and Queues	Chapter 16
Thu, Oct 15	Exception Handling	Chapter 17
Tue, Oct 20	Generics	Chapter 18
Thu, Oct 22	Generics	
Tue, Oct 27	ArrayLists	Chapter 19
Thu, Oct 29	Binary Search Trees	Chapter 20
Tue, Nov 3	Binary Search Trees	
Thu, Nov 5	Exam Review	
Fri, Nov 6	Exam 2 (Nov 6, Friday 4-6pm)	
Tue, Nov 10	Graphs	Chapter 21
Thu, Nov 12	Graphs	
Tue, Nov 17	Hashing	Chapter 22
Thu, Nov 19	Hashing	
Tue, Nov 24	Fall Break	
Thu, Nov 26	Fall Break	
Tue, Dec 1	Algorithmic Complexity	Chapter 23
Thu, Dec 3	Algorithmic Complexity	
Tue, Dec 8	Exam Review	
Thu, Dec 10	Reading Day	
Fri, Dec 11	Exam 3 (Dec 11, Friday 4-6pm)	

Note: All labs and assignments are due on Saturday of that week at 11:59:00pm.

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the instructor.