CS 2336 Syllabus

Course Information

Course Number/Section   2336.003
Course Title   CS Computer Science II – Java
Term   Spring 2022

Professor Contact Information

Professor   Dr Mehra Borazjany
Email Address   mehra@utdallas.edu **(Please Note, the subject of your email must always contain "2336.003", otherwise, your email will be ignored.)**
Office Location   Live meeting via MS Teams**. (Appointment only**)

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Course Modality and Expectations

Instructional Mode	In-person/flexible (Visit website for more information)
Course Platform	This course will be fully In-person/flexible. Link to all the materials (Calendar, Lecture Recordings, Assignments, Slides, Quizzes, Codezinger…) will be available in UTD eLearning/blackboard. Quizzes/Exam required UTD lockdown browsers *Please register for the course in the codezinger website using the provided eLearning web link inside the elearning only.*
Expectations	• This course is designed with modules that focus on course content, learning activities, quizzes, and readings. Each module is approximately 1 - 3 weeks in length. This course will require approximately 10 hours of attention per week, so please allocate your time appropriately. • If you know that you will be required to miss an assignment due date, you must inform me as soon as possible to make arrangements. In extenuating circumstances, it may be possible to make alternate arrangements, but you must contact me before the due date of the assignment. If you provide less than 24-hours' notice of a problem, it is possible that there may not be much that can be done. College level work requires you to plan to complete tasks in a timely manner. Failing to be prepared at least 24 hours ahead of a due date may reflect a time management problem. Please plan to complete all the assignments on time. As the instructor in this course, I am responsible for: • Providing course materials that will assist and enhance your achievement of the stated course goals, • Providing timely and helpful feedback within the stated guidelines, and • Assisting in maintaining a positive learning environment for everyone. As a student in this course, you are responsible for: • Reading and completing all requirements of the course in a timely manner, • Working to remain attentive and engaged in the course and interact with your fellow students, and • Assisting in maintaining a positive learning environment for everyone.

Learning Guidelines	Please read more about In-person/flexible courses and how it will apply to lectures and/or exams: website

COVID-19 Guidelines and Resources

The information contained in the following link lists the University's COVID-19 resources for students.

Please see http://go.utdallas.edu/syllabus-policies.

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Class Participation

Regular class participation is expected regardless of course modality. Students who fail to participate in class regularly are inviting scholastic difficulty. A portion of the grade for this course is directly tied to your participation in this class. It also includes engaging in group or other activities during class that solicit your feedback on homework assignments, readings, or materials covered in the lectures (and/or labs). Class participation is documented by faculty. Successful participation is defined as consistently adhering to University requirements, as presented in this syllabus. Failure to comply with these University requirements is a violation of the Student Code of Conduct.

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Class Recordings

The instructor will record meetings of this course. Any recordings will be available to all students registered for this class as they are intended to supplement the classroom experience. Students are expected to follow appropriate University policies and maintain the security of passwords used to access recorded lectures. Unless the Office of Student AccessAbility has approved the student to record the instruction, students are expressly prohibited from recording any part of this course. Recordings may not be published, reproduced, or shared with those not in the class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. If the instructor or a UTD school/department/office plans any other uses for the recordings, consent of the students identifiable in the recordings is required prior to such use unless an exception is allowed by law. Failure to comply with these University requirements is a violation of the Student Code of Conduct.

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Class Materials

The Instructor will 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 except to implement an approved Office of Student AccessAbility accommodation. Failure to comply with these University requirements is a violation of the Student Code of Conduct.

Course Pre-requisites, Co-requisites, and/or Other Restrictions
CE 2305 or CS 2305 or TE 2305 with a grade of C or better. (Same as CS 2336 and TE 2336) (3-0) S

Course Description
Introducing 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. Programming language of choice is Java.

Student Learning Objectives/Outcomes
1) *Ability to implement different data structures using the Java programming language.*
2) *Ability to use different data structures to program solutions to solve real problems.*
3) *Ability to understand algorithmic analysis and complexities.*

Required Textbooks and Materials

1) (**Required**) *Y. Daniel Liang, "Introduction to JAVA Programming – Comprehensive Version", 11th edition.*

Others resources:
2) *https://docs.oracle.com/javase/tutorial/*
3) *Head First Java.*
4) *and many more ..*

Textbooks and some other bookstore materials can be ordered online or purchased at the [UT Dallas Bookstore](#).

Technical Requirements
In addition to a confident level of computer and Internet literacy, certain minimum technical requirements must be met to enable a successful learning experience. Please review the important technical requirements on the [Getting Started with eLearning](#) webpage.

Course Access and Navigation
This course can be accessed using your UT Dallas NetID account on the [eLearning](#) website.

Please see the course access and navigation section of the [Getting Started with eLearning](#) webpage for more information.

To become familiar with the eLearning tool, please see the [Student eLearning Tutorials](#) webpage.

UT Dallas provides eLearning technical support 24 hours a day, 7 days a week. The [eLearning Support Center](#) includes a toll-free telephone number for immediate assistance (1-866-588-3192), email request service, and an online chat service.

Communication
This course utilizes online tools for interaction and communication. Some external communication tools such as regular email and a web conferencing tool may also be used during the semester. For more details, please visit the [Student eLearning Tutorials](#) webpage for video demonstrations on eLearning tools.

Student emails and discussion board messages will be answered within 3 working days under normal circumstances.

Distance Learning Student Resources
Online students have access to resources including the McDermott Library, Academic Advising, The Office of Student AccessAbility, and many others. Please see the [eLearning Current Students](#) webpage for more information.

Server Unavailability or Other Technical Difficulties
The University is committed to providing a reliable learning management system to all users. However, in the event of any unexpected server outage or any unusual technical difficulty which prevents students from completing a time sensitive assessment activity, the instructor will provide

an appropriate accommodation based on the situation. Students should immediately report any problems to the instructor and also contact the online eLearning Help Desk. The instructor and the eLearning Help Desk will work with the student to resolve any issues at the earliest possible time.

Academic Calendar
The course calendar will be posted on eLearning.

Proctored Final Exam Procedures
This course has a proctored exam requirement, please see the UTD lockdown browsers webpage to make arrangements.

Grading Policy

❍ **Course Project 20%.**
❍ **Homework Assignments 30%.**
  • We will have graded assignments for most topics. They will be posted on the eLearning Website, and any clarifications or hints will be posted on the homework discussion board.
  • Late submissions will receive a 10% per day.
  • Identical or highly similar solutions could result in zero point and academic discipline.
❍ **Instead of midterm exams, we will have quizzes 20%.**
  • At the end of each module will have a short quiz that cover materials from the module.
    ❑ **Quiz Re-take policy:** Students who miss or perform badly on the first attempt of the quiz can have one retake per quiz.
      ▪ **Scoring**: The maximum score on a retake quiz is 80%. (subject to change!)
      ▪ **Replace**: If you take the retake, your new score will count and the first score is dropped.
      ▪ **Content**: The retake quiz will be different from the one given in class but will cover the same topics.
      ▪ **Timing**: All retakes must be completed before the end of the module period.
❍ **One Final Exam 20%.**
  • There is no Retake for the Final Exam.
❍ **Participation (discussion board and in-class) 10%.**
    ❑ EXERCISES (Activities, VActivities (Video-Activities),…)
      ▪ There are exercises in most modules. Some will be done individually; some will be done in group. They will be graded on a pass or fail basis and will be counted toward your course participation grade.
      ▪ Credit can only be received if done before the end of the module period, although if you miss one, you should do it on your own to prepare for the quizzes and final exam.
    ❑ DISCUSSION BOARD USE
      ▪ We will use the discussion board throughout the semester. Participation on discussion board will be counted towards your course participation grade.
      ▪ Please ask all of your technical questions/concerns regarding the course or the assignments using the discussion board. Only email the personal questions/concerns.
      ▪ You should post about software failures, errors in the books or slides, or about topics that extend from our classroom discussion. You can respond to other students and/or rate the responses.
      ▪ The goal of the discussion boards in this class will be to "Build a Community of Learners.", We all can learn so much from each other. Most of my past students believed they learned lots of practical tips during the discussion boards. Your contributions to the discussion boards will have a definite impact on others in the class. Therefore, your posts should always be thoughtful and encouraging.

- Know that I read every post and I will "jump in" if I feel the recommendations are not correct. But, I believe this is a place where you can all "connect" and share a variety of information.
- Before you begin take a few minutes to observe your peer's posts. This will allow you to see what other people are saying and give you the opportunity to even quote some of your peers.

Grading Policy Summary
- Individual Project: 20%
- Individual Homework Assignments: 30%
- Quizzes: 20%
- Final Exam: 20%
- Participation (discussion board, activities, vactivities,..): 10%

The base grading scale given below may be adjusted based upon the performance of the class as a whole:

Total Score	>=97	>=94	>=90	>=87	>=84	>=80	>=77	>=74	>=70	>=67	>=64	>=60	<60
Grade	A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F

Even if you get 83.99 your grade will be "B-", not "B" though it is so close to 84.

Comet Creed
This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:

"As a Comet, I pledge honesty, integrity, and service in all that I do."

Academic Support Resources
The information contained in the following link lists the University's academic support resources for all students.

Please go to Academic Support Resources webpage for these policies.

UT Dallas Syllabus Policies and Procedures
The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus.

Please go to UT Dallas Syllabus Policies webpage for these policies.

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