CSCE 4430 Programming Languages
Syllabus Fall 2022

Instructor: Syed Haider Ali (SyedAli@my.unt.edu)
Classroom: NTDP K120
Time: Wednesday 5:30pm to 8:20pm
Office Hours: TBD
Teaching Assistant: Most Tahmina Rahman (mosttahminarahman@my.unt.edu)
Textbook: N/A

Course Objectives

1. Identify and describe the key components of programming language processors (i.e., compilers and interpreters).
2. Identify and describe the key concepts of object-oriented programming languages, including inheritance, reflection, and polymorphism.
3. Identify and describe the key concepts of functional programming languages, including recursion, higher-order functions, polymorphism, type inference and infinite data objects.
4. Identify and describe the key concepts of logic programming languages, including unification, backtracking, and the closed world assumption.
5. Identify and describe the key concepts of event driven programming, including event listeners.
6. Identify and describe the key concepts of concurrent programming, including threads.

Grading: Attendance 10%
Mid Semester Project Report 30%
Final Project Report 30%
Group Presentation 30%

Academic Integrity:

According to UNT Policy 06.003, Student Academic Integrity, academic dishonesty occurs when students engage in behaviors including, but not limited to cheating, fabrication, facilitating academic dishonesty, forgery, plagiarism, and sabotage. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University. Additionally, the following specific requirements will be expected in this class: assignments, quizzes and exams are to be done independently. Any single incident of copying or duplication of work will result in the division of credit among the collaborators. A subsequent occurrence of academic dishonesty will result in the grade of F for the course. If you are in doubt regarding the requirements, please consult with me before you complete any requirements of the course.

Attendance Policy:
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Attendance is mandatory. Any absence must be excused and approved before the start of class.

ADA Statement:

UNT makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific course needs. You may request accommodations at any time; however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of reasonable accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information, refer to the Office of Disability Access website (http://www.unt.edu/oda). You may also contact ODA by phone at (940) 565-4323.

Emergency Notification & Procedures:

UNT uses a system called Eagle Alert to quickly notify students with critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). In the event of a university closure, please refer to Canvas for contingency plans for covering course materials or change in calendar per the Emergency Notifications and Procedures Policy.