CS 510: Programming Language Concepts, Spring 2023

Instructor: Rumia Sultana

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Work Load: This is 3-credit-hour course credit hours 15 weeks. To be successful in this course, you are expected to spend a minimum of 9 hours per week (3 hours attending the lecture, and 6 hours studying/doing homework). This homework totaled 135 hours of work over 15 weeks.

Text: ***Programming Languages***, Kenneth C Louden and Kenneth A Lambert, Course Technology (Cen- gage Learning), Third edition, 2012. Chapters covered: 6–10.

Course Description: Theoretical concepts in the design and use of programming languages. Formal syntax, including Backus Normal Form (BNF), Extended Backus-Naur Form (EBNF), and syntax diagrams. Semantics, including declaration, allocation and evaluation, symbol table and runtime environment; data types and type checking, procedure activation and parameter passing, modules, and abstract data types.

Prerequisites: CS 311 and 322.

Grade Components: There are NO programming assignments. Your grade will be based on the following components:

1. Home Work Assignments and attendance (surprise attendance): 10% (8%+2%)

2. Exam I: 30%

1. Exam II: 30%
2. Exam III: 30%

Homework assignments and their due dates will be specified in class or on Blackboard.

Late home works will not be accepted without a STRONG reason.

Makeup Exams: Makeups for missed exams will be given only when there is a genuine reason, with clear proof; it is your responsibility to provide the proof. Whenever possible, you should talk to me before the scheduled exam: if you leave a message before the exam, you MUST leave a phone number where you can be contacted, and it is YOUR RESPONSIBILITY to make contact BEFORE the exam.

Letter Grade Cutoffs: I use relative grading for assigning letterer grades; there are no predetermined cutoffs, such as 90% for A, etc. An average score in class would correspond to *at least* a C grade. I *try* to place the cutoffs at (the top of) gaps between scores (i.e., no student immediately below it).

Academic Honesty: All homework assignments in this course are individual assignments. You can discuss them with others, but you cannot write the solution together; your submission (wording) should be substantially different from others.

There will be severe consequences for academic dishonesty. This includes copying home works and cheating during exams. Cheating in any exam will automatically result in an F grade for the course; this applies to ALL the parties involved (including the ones who help/show). Be aware that I do NOT have to catch you (or even notice) copying during the exam, I could catch you later, based on any unusual similarities in the answers. The University Academic Honesty Policy can be found here:

<https://www.wichita.edu/services/registrar/Academic_FAQ.php#Academic_Honesty>

Disruptive behavior in the class, including talking, can lead to dismissal from the course.