COURSE NUMBER: EE 368   Spring 2018

COURSE TITLE: Data Structures

Web Site: https://engineering.purdue.edu/~ee368/

COURSE CREDIT: 3

Instructor: Prof. Arif Ghafoor   Tel: 49-40638 OFFICE: MSEE 236
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Prerequisites: ECE 264

Prerequisites by Topic: *proficiency in C programming language*

Catalog Description: Provides insight into the use of data structures. Topics include stacks, queues and lists, trees, graphs, sorting, searching, and hashing.

Required Text:

Algorithms in C (Parts 1-4 and Part 5), by R. Sedgewick, Addison Wesley (3rd Edition)

COURSE FORMAT:

    Homeworks: In the form of 10-12 assignments
    Projects: 3 Programming projects
    Exams: 3 Tests and a Final.

TURNING IN HOMEWORK:

We will provide information how to turn in your assignment later on.

BE SURE THE FOLLOWING COMMENT IS THE FIRST LINE OF ANY HOMEWORK UNLESS otherwise noted in the homework assignment:

        (login; Homework #)

ALL THE PROGRAMMING PROJECTS ARE DUE AT THE TIME STATED ON THE PROJECT SHEET.

A penalty of 5% per half hour will be charged to project submitted after its deadline. The maximum penalty is 100%.

NOTE: You can submit your project work to be graded as often as you wish. The last one submitted is the one we will grade.

Don't wait until the last minute. If the computer goes down, so does your grade.

NEVER MAIL ANYTHING TO ee368. IT WILL NEVER BE READ.

IF YOU FEEL YOU HAVE A VALID REASON FOR NOT HAVING AN ASSIGNMENT DONE ON TIME, MAIL ME (ghafoor@purdue.edu) A NOTE BEFORE THE ASSIGNMENT IS DUE.

HOMEWORK GRADING POLICY:

FAILURE TO SUBMIT A PROGRAM OR HOMEWORK WITHOUT A VALID REASON WILL YIELD A GRADE OF ZERO FOR THE ASSIGNMENT.

(Email me at ghafoor@purdue.edu with your reasons before the due date.)

A PROGRAM WITH REAL COMPILER ERRORS (*BigE*) WILL BE GRADED IN THE RANGE 0 TO 50%.

Our editing your program to remove extra code to get your program to compile will cost at least 10%. Each "small e" error will cost 10%. Each warning "small w" will cost 5%.

When assigning any partial credit to a program the program style, comments, and use of meaningful variable and constant names will be a major factor in the determination.

See ece264 information about style grades (we will post style information over the Web).

ALWAYS READ THE ASSIGNMENT SHEET BEFORE SUBMITTING YOUR PROGRAM TO BE SURE YOU SUBMIT ALL THAT IS REQUIRED.

COMMON ERRORS include submitting the wrong material; assuming global variables not allowed by the program assignment; adding extra input and output statements not asked for in the assignment; and using <your.h> files which are not available.

ALL REGRADE REQUESTS MUST BE MADE WITHIN ONE CLASS DAY FROM THE TIME THE ASSIGNMENT IS RETURNED TO THE CLASS.

COURSE GRADE:

Each homework assignment (about 10) will be about 1.0 units unless noted otherwise on the assignment sheet (Total is 10).

There will be 3 projects, which will involve both a program and a written report. The total grades of these projects are 35 (Project 1: 15 units, Project 2: 10 units, Project 3: 10 units)

Each Test (3) will be worth 10.00 units.

The Final exam (*2 hours*) will be worth 25 units.

Your final grade will be determined as follows (assuming you have passed all the outcomes)

LETTER GRADE	HOMEWORK AVERAGE	TEST AVERAGE	COURSE AVERAGE
A	>=80.00 and	>=80.00 and	>=90.00
B	>=70.00 and	>=70.00 and	>=80.00
C	>=60.00 and	>=60.00 and	>=70.00
D	>50.00 and	>=50.00 and	>=60.00
F		<60.00	

Academic Honesty: See slides