GREEN SHEET

COURSE: CIS 37A- 50228, C Programming, Summer' 2017

PREREQUISITE: NONE

COREQUISITE: None

ADVISORY: CIS 2

INSTRUCTOR: Dr. Saroj Sabherwal

OFFICE: GC-202

OFFICE HOURS: 8:40-9AM TWTH

PHONE: email: saroj.sabherwal@wvm.edu

TEXT BOOK: C How to Program by Deitel & Deitel,8th edition, Pearson Publications.

COURSE CONTENTS: Introduction to Computers and Problem Solving with C, Data Types Input/Output, C statements, Variables and Named Constants, Branching statements, C operators including binary operators. Designing Procedures for Subtasks, Top-down and Bottom-up Designs, Nested control statements, Problem Solving using Loops, Designing Functions and Data Types, Array Structures, Other Data Structures, Program Design Methodology, Preprocessor, Applications, Text files and random-access files. Introduction to Recursion and Sequential and Random Access files. Course also introduced bit-wise operators, dynamic memory allocation and linked list. It also includes C-type string and other libraries and C-preprocessor.

HOMEWORK ASSIGNMENTS/QUIZZES: There will be a midterm and a final test during the semester. All the homework and programming assignments shall be due on date as is shown in the class schedule. Each test is worth 100 points and each programming assignment is worth 10 points.

EXAMS AND GRADING: All the exams and tests are a combination of syntax of C, debugging and correcting the existing program or program segments, short programs and flowcharts.

Final grades will be based on:

Homework Assignments	30% of total grades
Tests	30% of total grades
Final	30% of total grades
Attendance	**10% of total grades**
TOTAL	**100% of total grades**

Homework Problems will be graded on the following criteria:

1) correctness 2) style 3) documentation 4) clarity

WEEK	TOPIC & DISCUSSION	READING ASSIGNMENT	HOMEWORK/EXAMS
1	Introduction to C &	Chapter-1	
	Scope of course Introduction to Problem Solving in "C"		Chapter-2
1	Input/ Output	Chapter-2	
2	Operators/Binary Operators	Chapter-3	
2	Flow of Control	Chapter-3	HW Chs. 2, 3
2	Flow of Control	Chapter-4	
2	Designing Functions and Data Types	Chapter-5	
3	Arrays/ Multi-dimensional Arrays	Chapter-6	HW Chs.4, 5
4	Pointers	Chapter-7	
4	**Strings and C string libraries**	Chapter-8,9	Midterm Chs.6, 7
5	Structures and Bit-wise operators	Chapter-10	
5	Text Files, Random access File-Types	Chapter-11	**HW 9,10**
6	Linked List Data Structures	Chapter-12	
6	**Review**		**Finals 11,12**

CIS 037A Student Learning outcomes:

1. **Outcome:** Design and implement programs using control structures and functions.

   Assessment Target: Seventy percent of students will score 70% or higher on related lab assignments and test.

2. **Outcome:** Write programs using pointers, arrays, structures and files.

   Assessment Target: Seventy percent of students will score 70% or higher on related lab assignments and test.

3. **Outcome:** Write programs using bitwise operators, C -string libraries dynamic memory allocation, and linked list data structure in program.

   Assessment Target: Seventy percent of students will score 70% or higher on related lab assignments and test.

TUTORIAL INFORMATION

General Tutorial Center: Upon referral by an instructor or a counselor, students can enroll in the Supervised Tutoring course, IS 947, where they can receive assistance on the basis of a learning need. The tutoring is available for all subjects. Tutoring is provided at no charge by qualified, trained tutors.

IMPORTANT DATES

Last date to add with add- code and last date to drop with full refund and no W on

Transcript. (20% of class time)

Last day to drop with a W and no refund (75% of class time)

Final Exam Last day of class

CODE OF STUDENT CONDUCT

It shall be the policy of the District to enforce a student code of conduct the purpose of which is promote and maintain orderly conduct of a responsible student body in a manner compatible with the District and College function as an educational institution(Education Code 76030).

http://www.missioncollege.org/student_services/student_code.html

Disability Statement

Mission College makes reasonable accommodations for persons with documented disabilities.Students should notify DISC (Disability Instructional Support Center) located in S2-201 (855-5085) of any special needs.

Emergency Statement

MISSION COLLEGE

EMERGENCY EVACUATION STATEMENT

When the fire alarm sounds or you are asked to evacuate, leave the building immediately. Explanation, if needed, will be provided later.

Evacuation procedure for fire, bomb threats, or gas leaks.

1. Evacuate the Main Building, Annex Building, Student Success Center Building, Health Science Building and the Student Union Building to Forest Park and away from fire hydrants.
2. Evacuate the Fine Arts Building, Continuing Education Building, Multi-purpose Building and Buildings 1125-1127-1129 to Forest Park and away from fire hydrants.
3. Ask students to take belongings with them, if situation permits.
4. Instructors will take a roll call and make sure a class list is available and taken with them if ordered to leave the room.
5. Office supervisors are responsible for all employees in their work area.
6. During inclement weather, it may be necessary to move students to an alternate off-campus location. In these cases, the location will be communicated to you at the time of evacuation