SYLLABUS

Course Title: "C" Programming for Engineers
Course: COP2270
Class # 1614
Room: 6359
Schedule: TuTh 11:00AM - 4:05PM
Term: Summer 2019 (2018-3)
Dates: 5/14/2019 - 6/20/2019

Instructor Information

- Professor: Camilo Romero
- Department: Engineering
- Office hours: 15 minutes after class
- Telephone: (305) 237-2080
- Email: cromero3@mdc.edu

Course Description

This course is intended for students majoring in Computer Engineering Technology, Electronics Engineering Technology, or any engineering discipline. Students will learn the "C" programming language, MATLAB, and the Engineering Problem Solving Method to analyze, design, code, compile and execute programs that solve engineering related problems. Prerequisite: CGS 1060 or computer skills and Pre/Corequisite: MAC 1105 or higher level mathematics is required. (3 hr. lecture; 2 hr. lab).

Course Objectives

- To provide basics of the "C" programming language
- To provide knowledge of mathematical and computational tools
- To provide skills required to use data structures, programming methods, tools to solve and report engineering problems

Required:
C How to Program, Eight Edition, Paul Deitel, ISBN: 978-0-13-397689-2
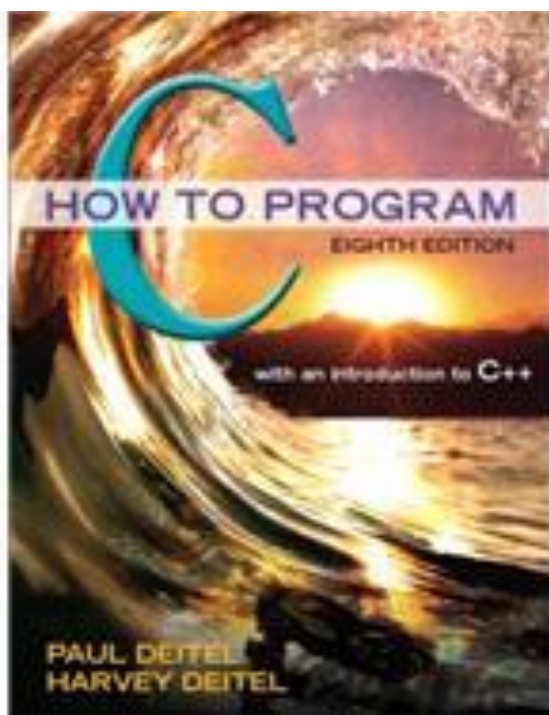
Technology Requirements
You should have a computer or access to a computer, the course generally requires significant time on a computer. You should be able to install the Code::Blocks IDE for C/C++ Developers.

- Code::Blocks is a free download. http://www.codeblocks.org

Course Evaluation/Grading Policy/Assessment Methods/Schedule

To successfully complete this course, you need to spend at least an average of 6 hours per week on the course (This doesn't include the time in class). Set up a weekly time schedule that allows you sufficient time to complete the assigned course work by the required due dates. Don't procrastinate! Turn your work in early or by the due date.

Assignment	Points	% of Grade		
Quizzes	200	20	**A**	90% - 100%
First Exam	200	20	**B**	80% - 89%
Second Exam	200	20	**C**	70% - 79%
Final Exam	200	20	**D**	60% - 69%
Final Project	200	20	**F**	59% - 0%
Total	1000	100		

Course Policies

Student Conduct In-Class Policy
Any acts of classroom disruption that go beyond the normal rights of students to question and discuss with instructors the educational process relative to subject content will not be tolerated, in accordance with the Academic Code of Conduct described in the Student Handbook.
 (http://www.mdc.edu/rightsandresponsibilities).

Electronic Devices In-Class Policy
Turn off all cell phones and pagers. In consideration of others, do not use cell phones or pagers in a classroom or lab. The ringing of such devices is not permitted in a classroom or lab. We understand that these devices are important to you and your family, so set your device to "manner mode," and then excuse yourself politely from the room in the event you need to speak with someone.
Texting: Students caught will be asked to leave the classroom and report to the Dean of Students for disciplinary action determined.

Classroom and Lab Behavior
When working in a classroom or lab, you are expected to treat the setting as a business meeting. As such, the following **professional business behavior** will be expected of all students at all times.
Students are expected to use computers for class work only. Students' final grade will be reduced (without discussion or notice) after the first warning and/or **students may be asked to leave when computers are used for anything other than work for this class.** This includes Internet access and other personal uses. No downloads without permission from Instructor or Lab Manager. Unauthorized use of the printer is prohibited and will result in final grade reduction after the first warning.
No talking and no keyboarding when the Meeting Leader (professor, supervisor, guest speaker, or classmate) is talking to the group. This behavior is not tolerated in business meetings.
Treat all individuals in the class with respect and kindness. Be willing to help others in the classroom—research has shown that the best way to learn something is to teach someone else!
Be on time and e-mail the professor before class if you are unable to attend class.

Attendance Policy
Students are required to be on time for classes and appointments. In the case of mitigating circumstances, please email me prior to a missed class. Because being late is so disruptive and annoying, students who arrive after attendance is taken, are counted as absent determined at the discretion of the instructor based on mitigating circumstances. Attendance is mandatory for all classes and attendance will be taken in each class.
More than 3 EXCUSED or UNEXCUSED absences may result in your grade being lowered, a final grade of "F", or you may be withdrawn from the course at the discretion of the instructor. Simply put, you cannot get credit for this course if you have not been present a minimum amount of time. **The following are considered mitigating circumstances (extreme cases) to obtain an EXCUSED absence**: A major religious holy day in your own faith; your own serious illness (a doctor's confirmation will be necessary); a death in your immediate family (mother, father, spouse, child, sibling, grandparent, or grandchild); or attendance to a statutory governmental responsibility (jury duty, a subpoenaed court appearance, or military obligation).
The student is responsible for getting up to date in the subject from the missed class, and obtaining material distributed on class days when he/she was absent.

Examination Policy
Missed exams without prior notification will result in a zero grade. Notification must be documented and approved, and **permitted only in extreme cases** with appropriate documentation. (See attendance policy above for a detailed list of extreme cases). You must email me prior to the exam that you are going to miss or you will not be given a make-up. The **exams will start at 1:30PM sharp** on the appointed dates. NO LATE ATTENDACE WILL BE PERMITED FOR A TEST and a grade of F will be recorded. To prepare for examinations, attend lecture and read the chapters.
A quiz is a brief assessment designed to help you measure your growth in knowledge, and are a measure of your commitment to the class. There will be **NO MAKE-UP FOR QUIZES**, if you attend class the day of a quiz you have the opportunity to take the quiz, if you didn't attend a class and there was a quiz you have a zero (0) for that quiz.

Incomplete Policy

Students will not be given an incomplete grade in the course without sound reason and documented evidence as described in the Student Handbook.

The purpose of the '**I**' grade is to allow students that are in good academic standing ('C' or higher) who have had an illness or death in the family or other relatively traumatic event occur close to the end of the term such that the student, under the circumstances, could not reasonably be expected to prepare and/or take tests or quizzes as scheduled. These situations must be documented by the student and submitted to me before I agree to assign an '**I**' grade. The student, Associate Dean, and I will enter into a written agreement regarding what work the student must complete and by when the work is to be completed. Any course work not submitted by the date specified in the written agreement will receive a 0 (zero). Incomplete grades are only given by the Dept. Head of Computer Science and not by your professor.

Academic Honesty
Students are expected to uphold the school's standard of conduct relating to academic honesty. Students assume full responsibility for the content and integrity of the academic work they submit. The guiding principle of academic integrity shall be that a student's submitted work, examinations, reports, and projects must be that of the student's own work.

When a student submits work as his own to an instructor but such work in whole or in part did not originate with the student or the copied work is not given due credit, then the student is engaging in academic dishonesty. This includes copying answers from another person's test, cooperatively writing programs together, and submitting lab work or other assignments that are in some part copied from others or are insignificant revisions from someone else's work. Unless you are told otherwise, your assignments are not to be done in groups.

Cheating earns a grade of F in the course and you must report to the Dean of Student immediately and the loss of my respect.

Withdrawal and Audit
If you decide to withdraw from (or audit) this class, please recognize that there is a proper way to do so. According to the College catalog, you may withdraw (or change to audit) by visiting the Registrar's office and requesting a withdrawal (or change to audit). You may also withdraw using the college's web registration system. Failure to attend class does NOT constitute an official withdrawal.

PLEASE NOTE: The College now requires instructors to report non-attending students during the semester. Registered students who have never attended class will be assigned a Final Grade of WN (Withdrawal – Non-attendance). If you stop attending class *prior* **to the withdrawal date, you will be administratively withdrawn from class and receive a W or WF at the discretion of the instructor, or if it is your third attempt, an F.**

If you stop attending class *after* **the withdrawal date, you will receive a WF that will then be computed as an F in your GPA. To avoid this situation, you should remain an active learner in this class and always communicate extenuating circumstances to me. Ongoing communication with the instructor is critical to your course success**.

You will be withdrawn from the course if you do not attend class or attempt to contact the instructor for 3 scheduled classes.

Notes:

Students are required to read the assigned sections from the textbook (chapters). Additionally, the above course outlines and objectives are to be used as a guideline for the materials intended to be covered during the term. It may be necessary, due to extenuating circumstances and at the discretion of the professor, to change the order or content of the material. It is ultimately the responsibility of the student to keep up with class activities / changes and attend class every lecture.

COP2270 TENTATIVE SCHEDULE OF ACTIVITIES	
DATE	**EVENT**
Tuesday May 14th	**Chapter 2** **Chapter 3 Part 1** **Quiz 1**
Thursday May 16th	**Chapter 3 Part 2** **Chapter 4 Part 1** **Quiz 2**
Tuesday May 21st	**Chapter 4 Part 2** **Chapter 5 Part 1** **Quiz 3**
Thursday May 23rd	**Chapter 5 Part 2** **Chapter 6 Part 1** **Quiz 4**
Tuesday May 28th	**Chapter 6 Part 2** **Chapter 11** **FIRST EXAM**
Thursday May 30th	**Chapter 7** **Chapter 8 Part 1** **Final Project Details** **Quiz 5**
Tuesday June 4th	**Chapter 8 Part 2** **Chapters 10 & 12** **Quiz 6**
Thursday June 6th	**Chapter 14** **Explain Extra Credit** **SECOND EXAM**
Tuesday June 11th	**Chapters 15 & 16** **Quiz 7**
Thursday June 13th	**Chapters 20 & 21** **Quiz 8**
Tuesday June 18th	**MATLAB** **FINAL EXAM**
Thursday June 20th	**FINAL PROJECT PRESENTATION**