**CS 2060 Programming with C**

**Fall 2017**

Course: Engr 105 - TR 9:25am -10:40am

Instructor: Mickey Gonzalez

Email: [mgonza29@uccs.edu](mailto:mgonza29@uccs.edu)

Office: Engr 283

Office Hours: **Mon-Thurs 10:45am -11:45am** and **Mon/Wed 3:30pm – 4:30pm** or **by appointment**.

If these times don't work, please send me an email to make an appointment. I want to help you be successful and will work with you to find a time that works. Outside of office hours, you are welcome to discuss the course if I’m not busy.

Required Text: *C How to Program* by Paul Deital And Harvey Deital, 8th Edition

Further Reading: *The C Programming Language* by Brain W. Kernighan and Dennis M. Ritchie

**Course Description**

CS2060 is a course in the C programming language. The course is for students who are proficient in some other high-level language such as Java. The prerequisites are CS1120 (Computational Thinking for Beginning Programming), CS1150 (Introduction to Java Programming), GDD 1200 (Introductory Programming for Game Developers), or ECE 1021 (Computer-Based Modeling and Methods of Engineering).

This course introduces you to programming with emphasis on computer science concepts, particularly on the concepts of abstraction in problem solving (i.e., thinking of how to solve a problem at a high level before coding). You will learn to develop computer programs to solve these problems and become proficient in the C programming language.

**Grading**

Your grade will be based on the following:

Homework 45% (~ 1 assignment per week)

2 Exams 30% (Exam #1 ~ Sept 21, Exam #2 ~ Oct 17 - written)

Final 25% (Dec 14 – 8:00am-10:00am – written – covers all material)

Grade Scale:

|  |  |  |  |
| --- | --- | --- | --- |
| A | 94+ | C | 76-73 |
| A- | 93-90 | C- | 72-70 |
| B+ | 89-87 | D+ | 69-67 |
| B | 86-83 | D | 66-63 |
| B- | 82-80 | D- | 62-60 |
| C+ | 79-77 | F | 59-0 |

At the end of the semester, if you are close to a boundary grade, I may consider moving your grade up based on the impression you've created during the semester. Things I consider important and will be looking for include: thoughtful participation, being on time, getting assignments done, asking for help when struggling, assisting your classmates during class, professionalism, respect, etc.

**Workload - Homework**

The programming assignments are **the most important part** of this C class. Programming requires intentional practice - to become efficient at problem solving and programming you **must** solve problems and write code! Make it a goal to do all the assignments because doing so will prepare you for the exams and your future in software engineering. Expect to invest 6 to 12+ hours a week depending on your skill level and learning ability. See **Programming Assignments Policy** for additional details (will hand out in lecture #2).

**Tutoring**

Tutors are available in the Excel Math Center. You can check for availability by clicking on the Schedules link at the Math Center Website and looking under Computer Science & Matlab Tutoring or use this link: <https://www.uccs.edu/mathcenter/schedules.html>

**Course Topics and Schedule**

My goal is to follow, as closely as possible, the schedule given in the table below. This schedule is subject to change. I will announce any changes during class.

|  |  |  |
| --- | --- | --- |
| **Chapter** | **Topics** | **Number Classes** |
| 1 | Introduction to Computers, the Internet, and the Web | 1 |
| 2 | Introduction to C Programming | 2 |
| 3 | Structured Program Development in C (Selection) | 2 |
| 4 | Program Control (Loops) | 2 |
| 5 | Functions | 2 |
| 6 | Arrays | 2 |
| 7 | Pointers | 3 |
| 8 | Characters and Strings | 2 |
| 9 | Formatted Input/Output | 2 |
| 10 | Structures, Unions, Bit Manipulations and Enumerations | 2 |
| 11 | File Processing (selected topics) | 2 |
| 12 | Data Structures (selected topics) | 3 |
| 13 | Preprocessor (selected topics) | 1 |
| 14 | Other C Topics (selected topics) | 1 |

**Important Dates**

Aug 27, 2017 Last day to add courses without instructor permission

**Sept 7, 2017 Census date (last day to drop without penalty, you may receive refunds)**

Oct 27, 2017 Last day to drop (receive grade of W, no refunds, after today Dean’s signature required)

Dec 14, 2017 Final exam

For full details please see <https://www.uccs.edu/registrar/course-deadlines/fall-2017.html>

**Course and University Policies**

Assignments and Exams

* Late assignments will **NOT** be accepted.
* Exams **must be taken** at scheduled time.
* I will make an exception in certain cases but you **must**

1) have a valid reason for being unable to hand in the assignment or take exam and

2) you must make prior arrangements with me (unless it's due to an emergency)

Attendance

* The Computer Science Department attendance policy states: *Students in 1000 and 2000 level CS courses can have at most four absences, after which they would lose at least one letter grade.*
* Class attendance will be taken and if you miss more than 4 classes, your grade will automatically be reduced by one letter grade.
* **If you cannot attend class for a valid reason, please email me know as soon as possible**.
* It is up to the discretion of the instructor weather to excuse a student – documentation may be required (e.g. doctor’s note).

Electronic Devices and Classroom Behavior

* Texting, surfing the web, playing games, checking social media or taking phone calls are **not allowed in class**. Disruptive students will be asked to leave for the remainder of that class.

Academic Honesty

All work you do for this course must be your own. For homework assignments, I encourage you to discuss *general* topics with classmates, use the internet, or other sources for research purposes; however, **you may not copy material from any source or allow anyone to copy your work**. All exams are closed notes, closed book, closed browser, unless otherwise announced.

**Students with Disabilities**

If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact and register with the Disability Services Office, and provide them with documentation of your disability, so they can determine what accommodations are appropriate for your situation. To avoid any delay in the receipt of accommodations, you should contact the Disability Services Office as soon as possible. Please note that accommodations are not retroactive, and that disability accommodations cannot provided until an accommodation letter has been given to me. Please contact Disability Services for more information about receiving accommodations at Main Hall room 105, 719-255-3354 or [dservice@uccs.edu](https://uccs-ex1.uccs.edu/owa/redir.aspx?C=df375d08ed2142ddbc1725507f5ac6a5&URL=mailto%3adservice%40uccs.edu).

**Military Students**

If you are a military student with the potential of being called to military service and/or training during the course, you need to contact me the first week of classes to determine if it is feasible for you to remain in class.