Syllabus - COMP211 - Fall 2020

Systems Fundamentals

- **Term** Fall 2020
- **Department** COMP - Computer Science
- **Course Number** 211

- **Sections** 1 - MWF - 5:20pm
- **Mode** Remote

Instructor Info

- **Name** Kris Jordan
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Textbook

The required text for this course is *The C Programming Language, 2nd Edition* by Kernighan and Ritchie. This text is available at the UNC Student Stores.

Course Description, Target Audience, and Prerequisites

Systems programming fundamentals including data representation, pointers, execution models, memory management, and runtime environments. Processes, input/output, and system calls. Lexical analysis, parsing, interpretation, and translation. Command-line interface tools including shell, editor, compiler, linker, test harness, debugger, version control, and build tooling.

Prerequisite: COMP210 - Corequisite: COMP283

Computer science majors will typically take this course in their first or second year. It serves as an introduction to lower-level programming and prepares students for courses in Computer Organization and systems courses such as Internet Services and Protocols, Operating Systems, and Compilers.

Course Requirements and Policies

You should attend all lectures and check the course web pages for announcements and updates. You should complete all assigned readings before lecture begins.

The workload of this course is anticipated to be about three hours per week outside of lecture.

Bring your laptop to every lecture session. Please respect your fellow students by maintaining proper etiquette in class; this includes:

- Not arriving late habitually or leaving in the midst of class;
- Not talking over the instructor, sleeping, reading other material etc. in class;

- Keeping cellphones, etc. off during class;
- PLEASE DO NOT using your laptop to surf the web, watch Netflix, iMessage, use Facebook, etc.

Final Exam

The course final is given in compliance with UNC final exam regulations and according to the UNC Final Exam calendar. If you have a non-standard final exam that conflicts with this course, per UNC policy the non-standard final exam must offer you an alternate time.

Grading Criteria

You will be evaluated in this course as follows:

- Mastery - 50%
  - Midterms (2x) - 30%
  - Final - 20%
- Preparation, Participation, and Practice - 50%
  - Programming Labs - 30%
  - Quizzes and Guided Reading Questions - 15%
  - In-class Participation - 5%

Midterm Replacement and Course Passage Policy

As announced on the first day of class and is documented in the `ls00-welcome.pdf` slides on Sakai, the following is reproduced verbatim:

- If you are absent from a midterm, then your final exam will be worth 35% instead of 20%.
- If you take both midterms and your final exam score exceeds one of their scores, then we will retroactively count you as absent for that midterm exam.
- To pass the course, you must have a passing grade across all course components *and* take at least one midterm *and* score higher than a 40% on the final exam.

Regrade Requests

Regrade requests on quizzes are handled through Gradescope. Regrade requests will only be accepted for the 72 hours following grade release on Gradescope.

In order to pass the course you must score higher than a 40% on the final exam and pass the course otherwise.

Late Submission Policy

Graded assignments will be accepted up to two days late for a 20% late penalty immediately following the grading deadline.

Honor Code and Collaboration Policy

In order to do well in this course, you must come to your own individual understanding of the material.

Collaboration Policy on General Course Content

You absolutely may, and are encouraged to, discuss general course concepts (i.e. not assignment-specific) material with anyone, including other current students and tutors. This includes going over lecture slides, documentation, code examples covered in lecture, study guides, etc. The examples you use to discuss general course materials must be from lecture or your own creativity, you cannot use examples directly drawn from assignments.

With proper citation of collaboration in your assignment headers, you are allowed to:

- Discuss high-level concepts, approaches, and pseudo-code ideas **on whiteboards**
- Help a peer's by viewing their screen under the following conditions:

1. **Your own laptop must be fully closed** and you must not share any code
2. **You may not touch their keyboard**
3. **They should do 80% of the talking** and your 20% should be asking questions

Class Participation

Class attendance and participation is required to do well in this course. Class participation is worth 5% of your final grade.

Disclaimer

The instructor reserves the right to make changes to the syllabus, including assignment due dates, quiz dates, and midterm dates. These changes will be announced as early as possible.