

CSCI 2467 (Spring 2007)

System Programming Concepts

Instructor

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Office Hours: T/Th 10:45 – 11:45AM and by appointment

Prerequisite

- CSCI 2120 & CSCI 2450 or consent of department

Topics

- Overview and history of the UNIX Operating System
- C Programming Language
- System Programming in UNIX
- UNIX Networking Programming with TCP/IP Sockets

Texts

Required: **The C Programming Language**, 2nd Edition by Brian Kernighan and Dennis Ritchie. ISBN-10: 0131103628

Recommended: **Advanced Programming in the UNIX Environment** by Stevens, et al. ISBN-10: 0201433079

Additional material will be made available when necessary.

Grading

Midterm: 20%

Final Exam: 25%

Homework: 50%

Bonus: 5%

Homework/Project Policy

1. Homework is due at/before the **beginning of class** on the due date. You are allowed **one late submission** during the course, where you can submit the homework/programming assignment in the class following the due date without penalty. Other than the one free late submission, a late homework will not be accepted and will be assigned a **zero**.
2. If there are any extenuating circumstances that will delay your project, you must discuss with me as early as possible. I will grant an extension only in exceptional circumstances.
3. Make sure you understand everything that you have submitted. You may be asked to explain it in case there are similarities that look less than accidental.
4. By default you must work on the assignments by yourself. Any permission to form teams for particular assignments will be made explicit for that particular assignment.
5. If you have any questions about acceptable teamwork – **ask before collaborating**.

Class participation:

You are expected (and *strongly* encouraged) to attend and *participate* in all lectures and take notes as necessary. Experience shows that there is a strong correlation between regular class participation and good grades.

Your attendance (physical presence) is not a formal requirement and, therefore:

- *If you miss a class* it is entirely *your* responsibility to find out about the covered material and catch up.
- *If you miss a test* due to a medical (or other) emergency be prepared to show proof in order to get a make up.

Academic Honesty

You must adhere to University's policies regarding academic honesty. See appropriate pages of the *UNO Policy Manual*. Cheating, plagiarism, falsification, etc., will not be tolerated and appropriate action will be taken per University policies. Note that copying part or whole of the solution from the Internet or former students also constitutes cheating and will be fully prosecuted.

Special cases

If you have any special circumstances (disabilities, active/reserve member of the armed forces, sports team member, family matters etc.) come and talk to me privately this week. If circumstances arise during the semester inform me ASAP.

Graduate Students

Graduate students will be given an additional assignment which will be included in the 50% for their homework grade. Some undergraduates may be allowed, depending on their performance, to undertake the assignment for extra credit.

Etiquette

- Come to class *on time*. *If you do come late*, quietly find a seat and take it with as little disturbance as possible. If you must leave the room – do so quietly.
- As you walk into class, kindly ***silence all beepers, cell phones, PDAs*** and other noise-producing equipment.
- Attendance in the class is highly recommended.
- Depending on the overall punctuality and attendance patterns, **I may institute stricter policies over the semester** (these policies will not be retro-active).

How to succeed in this class

- Read the assigned topic from the book *before and after* the class.
- Pay attention and participate in the class discussions.
- If you don't understand something get help early.
- Be honest with yourself and study at home – the university expects you to put in about **9 hours** of preparation per week for this class for a **C** grade.