# CSE384 Introduction to System Programming

## Instructor Information

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## Texts

- Lecture notes
- References (Optional):
  - "Computer Systems: A Programmer's Perspective," Randal E. Bryant and David R. O'Hallaron
  - Bash Guide for Beginners: [tldp.org/LDP/Bash-Beginners-Guide/html]
  - Advanced Bash-Scripting Guide: [www.tldp.org/LDP/abs/html/]
  - Using GNU's GDB Debugger: Memory Layout And The Stack: [www.dirac.org/linux/gdb/02a-Memory_Layout_And_The_Stack.php]

## Learning Objectives

The learning objective is system programming skills in Linux/Unix environments. The programming skills to learn include bash scripting, C programming language, C programming tools in Linux and systems-level programming, etc.

## Prerequisites

- ECS102 or an equivalent programming course

## Grading

- Class participation (15%), homework (40%), exams (45%)

## Schedule

1. Linux setup
2. Shell scripting
3. C/C++ programming
4. Systems programming