

# **CS 447/647 - Computer Systems Administration**

## Spring 2020

### **Course Information**

3 Credits

Lecture: TuTh 4:30PM-6:00PM, SEM321

Instructor: Zachary Newell, [newellz2@unr.edu](mailto:newellz2@unr.edu)

Office Hours: SEM 245B by appointment

### **Textbook**

UNIX and Linux System Administration Handbook (5th Edition)

ISBN - 978-0134277554

### **Catalog Description**

Account maintenance, backups, restoration, system configuration, resource allocation and monitoring, network management, peripheral administration, emphasis on UNIX systems.

### **Prerequisites**

CS 446 - Principles of Operating Systems

### **Student Learning Outcomes**

Upon completion of this course:

1. Students will have an ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs, within realistic constraints specific to the field.
2. Students will have an understanding of professional, ethical, legal, security and social issues and responsibilities.
6. Students will have an ability to apply design and development principles in the construction of software systems or computer systems of varying complexity.

### **Policies**

#### **Statement on Academic Dishonesty:**

Cheating, plagiarism or otherwise obtaining grades under false pretenses constitute academic dishonesty according to the code of this university. Academic dishonesty will not be tolerated, and penalties can include canceling a student's enrollment without a grade, giving an F for the course or for the assignment.

For more details, see the University of Nevada, Reno General Catalog and University Administrative Standards.

#### **Statement of Disability Services:**

Any student with a disability needing academic adjustments or accommodations is requested to speak with the Disability Resource Center (Pennington Student Achievement Center, Suite 230) as soon as possible to arrange for appropriate accommodations.

**Statement on Audio and Video Recording:**

Surreptitious or covert videotaping of class or unauthorized audio recording of class is prohibited by law and by Board of Regents policy. This class may be videotaped, or audio recorded only with the written permission of the instructor. In order to accommodate students with disabilities, some students may be given permission to record class lectures and discussions. Therefore, students should understand that their comments during class may be recorded.

**Statement for Academic Success Services:**

Your student fees cover usage of the University Math Center (775) 784-4433, University Tutoring Center (775) 784-6801, and University University Writing Center (775) 784-6030. These centers support your classroom learning; it is your responsibility to take advantage of their services. Keep in mind that seeking help outside of class is the sign of a responsible and successful student.

**Grading (Tentative)**

Section	CS447	CS647
Exams (2)	30%	30%
Quizzes (10)	25%	25%
Assignments (10)	25%	25%
Final	20%	20%

**Exams**

There will be two midterm exams (15% each), and a final exam (20%). Dates TBD

**Quizzes**

There will be 10 in-class quizzes throughout the semester (25%). Quizzes will be at the beginning of class covering topics discussed in the previous class.

**Assignments**

There will be 10 hands-on assignments (25%) covering topics discussed in class. Each student will be given access to a virtual server on Nevada Cyber Range Platform. Most of the assignments will be completed using these servers.