

Fresno City College
ITIS 155 / CIT 40
Systems and Network Administration/Computer Operating Systems
An Online Course
Fall 2019

Instructor: Buddy Spisak **Online Office Hours:** Wed. 6:00-8:00 p.m. (Oct. 24 to Dec. 18)

Voice Mail: (916) 286-3691 ext. 14162

E-mail: buddy.spisak@fresnocitycollege.edu The turnaround time for responding to most e-mails is about one to two days. Be sure to include your name and the course number in each e-mail so I can identify who you are and what the e-mail is about.

Course Web page: <https://scccd.instructure.com>

Instructor Web page: <http://crc.losrios.edu/spisak/>

Prerequisites: CIT 12 and CIT 15

Corequisite: None

Lecture/Lab: Fully online (35117) Tuesdays 6 to 8 p.m.

Accepted for Credit: CSU

Class Credits: 4 units

Textbook: No textbook is required for this course. All the reading materials are available via the Red Hat Academy at <http://rhlearn.gilmore.ca>.

Labs: The labs are done through NDG Netlabs at <https://netlabve6.coastline.edu>.

Supplies: Ear buds or a headset could be beneficial when listening to videos.

A flash drive is recommended (at least 8GB, but 16GB is preferred) to store your work for the class.

Course Description:

Principles of computer operating systems. A survey and comparison of the graphical user interface along with the command line interface using various operating systems such as Microsoft Windows and Linux, etc. C-ID: ITIS 155

Student Learning Outcomes and Course Objectives:

- Demonstrate proficiency installing operating systems, managing program files and directories, data files, and command line instructions (SLO 1).
- Explain and identify configuration management software, accessing help resources, managing folders, and creating batch files (SLO 2).

Upon completion of this course, the student will be able to:

- Compare different operating systems.
- Design and create computer operating systems and configuration batch file programs.
- Identify and describe how the operating systems software manage memory.
- Identify and describe how the operating systems software manage drives.
- Identify and describe how the operating systems software manages storage devices.
- Install operating system software using removable hard drives.
- Describing basic computer operating system components.

Methods of Measuring Student Learning Outcomes:

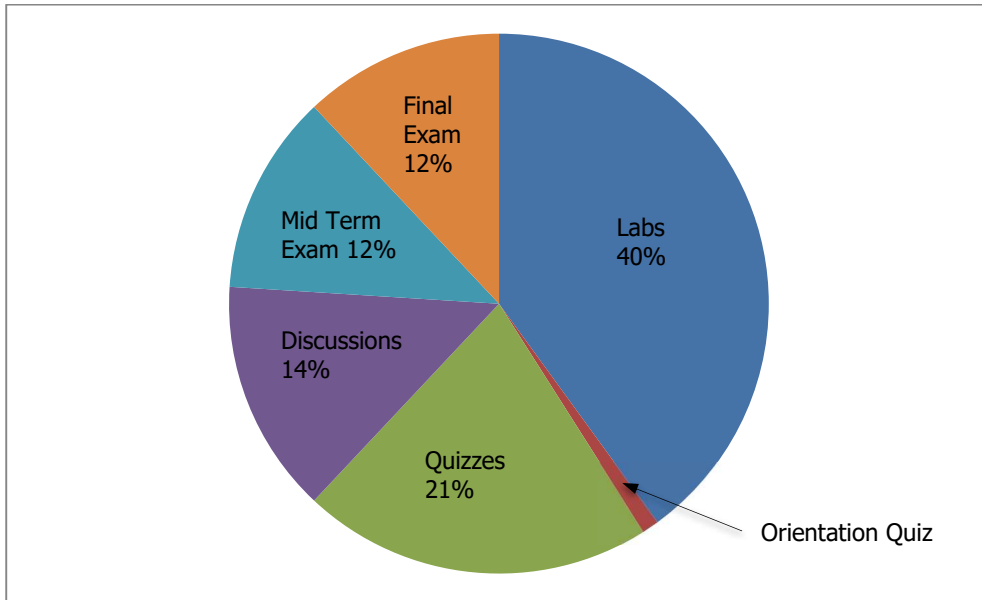
- You will demonstrate knowledge of course concepts through class discussions and achievement on quizzes and a final examination.
- You will demonstrate competence in the coursework by completing lab work and participating in discussions during the semester.

Student Obligations:

- **Attendance:** Since this course is online, it is important to participate frequently in the class.
- **Late Work:** Unless noted all assignments are due on Sunday by midnight each week. Late work will be accepted ONLY if you have contacted me prior to the due date either by e-mail or voice mail. In general, late work is due the next week, and no late assignments may be turned in after one week from the original due date regardless of the reason. For every day an assignment is late, you will lose 10% of its grade.
- **Due Dates:** Unless noted, all assignments will be submitted in Canvas. If, for any reason, you cannot access Canvas or are unable to submit the assignment on time, please e-mail it to me instead so that you are not penalized for being late. Quizzes and the discussion items cannot be taken past their due dates. If you miss a quiz and you want to make up points, you can take advantage of the extra credit assignments posted in Canvas. Everyone is welcome to work on the extra credit assignments. Typically, they are five to ten points each, depending on the difficulty of the assignment.
- **Labs:** There will be seven labs credited for homework for the class. The due dates are in the **SCHEDULE** portion of this handout. We will spend a lot of time working on lab activities. Each lab has a set of review questions that you will need to answer in Canvas to receive points for that assignment.
- **Discussions:** I want everyone to take a pro-active approach to learning this material. This includes using the discussion feature in Canvas to ask questions and answer other students' questions. I will also post questions each week that you can answer to further your understanding of the material. I expect two postings each week unless otherwise noted.
- **Language Matters:** Part of communicating effectively with one another involves communicating correctly with one another. This is not an English class; however, I will be looking at and commenting on the basic accuracy of your written English, such as sentence boundaries, spelling, and other basic grammar issues. While you will not fail the class because of your English, you may lose some points for frequent and repeated errors. Keep in mind that your use of English can influence your readers positively—or negatively.

- **Mid-term and Final Exams:** These exams will be administered through Canvas.
- **Plagiarism Policy:** It is inappropriate, and a violation of academic policy, to copy information from any source (including, but not limited to, textbooks, magazine articles, newspaper articles and internet articles) without giving proper credit to the author by using standard quotation procedures such as in-line quotes, footnotes, endnotes, etc. Quotes may not exceed 25% of the assignment's total length. You will receive no credit (0 points) for any assignment that copies any material from any other source without giving proper credit to the author(s). Repeat offenders of this policy are subject to academic discipline as outlined in the policies published by the college.
- **Cheating:** Students who cheat will receive a failing grade for the course. (See the College catalogue for 2019-2020 on p. 60 posted on the college website (https://www.fresnocitycollege.edu/uploaded-files/documents/admissions-aid/catalogs/catalog_2019-2020.pdf.)
- **E-mail:** Every student will be required to have an email account. If you do not have an email account, the college provides free email accounts for all current students.
- **E-mail etiquette:** I will not tolerate rude and demeaning comments or e-mails to anyone in this class. Please keep your comments and e-mails topic-related. If I determine that a comment or e-mail to anyone else in the class is rude or demeaning, I will warn you once. If your behavior continues to be unacceptable, I will refer you to the administration of the college for disciplinary action.
- **Personal belongings:** All cell phones, beepers, pagers, etc. should be turned off or set to vibrate during any of the online lectures/labs.
- **Disabilities:** If you have a documented disability and wish to discuss academic accommodations, please contact me or contact the Office of Disabled Student Programs and Services at 559-442-8237 as soon as possible.
- **Canvas:** This class utilizes a product called "Canvas." It is highly recommended that you check the website frequently for scheduling updates and homework assignments. Most of the homework assignments and quizzes will be done on Canvas.
- **Online Course Responsibilities:** This course requires significant self-motivation. You must not get behind. Labs and weekly assignments can take up to 15 hours to finish. Please don't try to finish them in one day. Not all activities are created equal. Some may take a bit longer than others. You would normally spend 7 hours per week in class for this course: total of 225 hours. Allow yourself at least 10 hours per week to complete the activities online, including the time spent writing the class discussion postings. You should plan additional time to read the textbook and study for the quizzes. Some people believe that an on-line format provides a much easier way to study this subject than an on-campus framework because they love to read and avoid the parking problems. Others feel very intimidated at first. Be patient as you work your way through the activities.

Grading:



Course Topic	Points	Total	Approximate % the of Grade
Labs (7)	50	350	40
Orientation Quiz (1)	10	10	1
Quizzes (6)	30	180	21
Discussions (6)	20	120	14
Mid Term Exam (1)	100	100	12
Final Exam (1)	100	100	12

Point System: There are 860 total assigned points.

Grade Ranges: A=774-860, B=688-773, C=602-687, D=516-601, F=0-515

Schedule: It is tentative and can change during the term. All changes will be located under the "Announcements" section in Canvas for the course.

	Day:		Lecture/Lab Schedule:	Assignment Due:	Due Date (By Midnight):
Week 1	Tues.	10/22	Orientation and Introductions	View the Online Orientation	Sun., Oct. 27
			Chapter 1: Getting Started with Red Hat Enterprise Linux	Orientation Disc.	
			Chapter 2: Accessing the Command Line	Orientation Quiz	
			Chapter 3: Managing Files from the Command Line		
			Lab #1		
Week 2	Tues.	10/29	Chapter 4: Getting Help in Red Hat Enterprise Linux	Disc. #1 (Ch. 1-3)	Sun., Nov. 3
			Chapter 5: Creating, Viewing, and Editing Text Files	Lab Review #1	
			Lab #2	Quiz #1 (Ch. 1-3)	
Week 3	Tues.	11/5	Chapter 6: Managing Local Users and Groups	Disc. #2 (Ch. 4-5)	Sun., Nov. 10
			Chapter 7: Controlling Access to Files	Lab Review #2	
			Lab #3	Quiz #2 (Ch. 4-5)	
Week 4	Tues.	11/12	Chapter 8: Monitoring and Managing Linux Processes	Disc. #3 (Ch. 6-7)	Sun., Nov. 17
			Chapter 9: Controlling Services and Daemons	Lab Review #3	
			Lab #4	Quiz #3 (Ch. 6-7)	
			Finishing up the first half of the course		
Week 5	Tues.	11/19	Chapter 10: Configuring and Securing SSH	Disc. #4 (Ch. 8-9)	Sun., Nov. 24
			Chapter 11: Analyzing and Storing Logs	Lab Review #4	
			Lab #5	Quiz #4 (Ch. 8-9)	
Week 6	Tues.	11/26	Chapter 12: Managing Networking	Disc. #5 (Ch. 10-11)	Sun., Dec. 1
			Chapter 13: Archiving and Transferring Files	Lab Review #5	
			Lab #6	Quiz #5 (Ch. 10-11)	
Week 7	Tues.	12/3	Chapter 14: Installing and Updating Software Packages	Disc. #6 (Ch. 12-13)	Sun., Dec. 8
			Chapter 15: Accessing Linux File Systems	Lab Review #6	
			Lab #7	Quiz #6 (Ch. 12-13)	
			Finishing up the second half of the course		
Week 8	Tues.	12/10	Chapter 16: Analyzing Servers and Getting Support	Lab Review #7	Fri., Dec. 13
			Chapter 17: Comprehensive Review		
			Final Exam (Chapters 10-16)		All work needs to be turned in.