

Reedley College
Spring 2014
1/13/14 – 5/23/14

Course: **IS 60 - 58001 – OPERATING SYSTEMS**
Class Time: TTh, 2-4:50pm – Room BUS 49
Instructor: Daniel Morales, BS/MS
Email: daniel.morales@reedleycollege.edu and daniel.morales@alumni.usc.edu
Phone: 559-638-3641 ext.3264 (if no answer: leave a detailed message)
Office Hours: Room Bus 47: M-TH 10-11am, or by appointment

Text Books and Study Material:

No book is required in this class. Reference guides, videos, and notes will be given in class as part of the course materials.

1. Course Description and Information

This course provides an overview of a broad range of operating system concepts, including installation and maintenance. Emphasis is on operating system concepts, and hands on activities, including management, and maintenance. Students will learn and practice configuration techniques using operating system utilities. Students will also compare and contrast the differences between each operating system, file systems, file organization, file management, as well as essential computer securities, and configuration.

To be successful in the Information Systems industry requires a great deal of attention to detail and critical thinking therefore much in this course will require you to demonstrate attention to detail and the ability to read and understand instructions.

2. Course Learning Objectives

- a. Recognize popular personal computer's operating systems.
- b. Use Microsoft and non-Microsoft operating systems.
- c. Install popular operating systems.
- d. Maintain and manage popular operating systems.
- e. Configure critical settings of popular operating systems.
- f. Review, develop, and implement computer maintenance plan including but not limited to:
 - i. Task scheduling
 - ii. Security settings
 - iii. System backup and recovery
- g. Review and practice security and networking in popular operating systems.

3. Course Learning Outcomes

- a. Manage and understand the file system on Windows and non-Windows operating systems.
- b. Properly manage computer resources using Windows and non-Windows operating systems.
- c. Establish and implement essential computer maintenance plan, security, backup, and recovery.

4. Learning Methods

- a. Lectures
- b. Required reading
- c. Exams
- d. Hands-on projects (lab work)

5. Attendance

Attendance is required and the instructor reserves the right to take roll at any time during the duration of the class period. To achieve successful completion of the course, it is critical for the students taking this course to attend all classes. I will drop you if you have four unexcused absences or if you have missed class for one week in a row. I will allow one excused absence. An excused absence is one where the student has given the instructor prior notice of the absence. Also, I will count two tardies as an absence.

6. Readings, Assignments, Hands on Projects, and Exams

Assigned chapters must be read prior to attending class. Students are required to complete assignments, hands-on projects, and exams on their own. In other words, you may not collaborate with fellow students.

All examinations must be completed individually. Collaborative work will not be allowed during examinations. The use of books, notes, cell phones, and other electronic devices will not be allowed during examinations, unless specifically stated by the instructor prior to the examination. Make up examinations, assignments, and hands-on projects are only granted with advanced notification.

Late work will not be accepted. If a student fails to attend class on a day that a project is due then the student will lose points for that project.

7. **Due Dates**

Hands on projects, exams, and other assignments will be assigned and completed in class on the same day.

8. **Outcomes Assessment**

Quizzes (6 @ 10 points each, 1 @5 points)	65 points
Hands-on Projects (15 @ 5 points each)	75 points
Final Exam.....	40 points
Participation.....	54 points
Total.....	234 points

Grading Scale:

90-100%=A, 80-89%=B, 70-79%=C, 60-69%=D, <60%=F

9. **Final Drop Date**

The final drop date for this class is:

- Friday, January 17th, for a refund
- Friday, January 24th, to avoid a “W”
- Wednesday, February 5th, to avoid a “Letter Grade”

It's each student's responsibility to drop the class if they are no longer attending or no longer interested, otherwise they risk obtaining a grade of “F” in the class.

10. **Policies**

Campus code requires that shoes or sandals and appropriate attire be worn at all times on campus. Eating, drinking, and smoking are not allowed in the classroom or computer labs. Cell phones must be turned off or in the silence/vibrating mode while class is in session. If you need to use your cell phone (to make/receive a call or to send a text message) please go outside of the classroom. No visitors are allowed while class is in session. A student will be subject to discipline if she or he:

- Prevents other students from pursuing their authorized curricular or co-curricular interests.
- Interferes with or disputes faculty and administrators who are fulfilling their professional responsibilities.
- Prevents classified employees from fulfilling their prescribed duties.
- Deliberately endangers the safety of persons or the security of college property.
- Violates Reedley College computers and networks usage policy.
- Violates Reedley College cheating/plagiarism policy.

11. **Accommodations**

If you have a verified need for an academic accommodation or materials in alternate media (i.e. Braille, large print, electronic text, etc...) per the Americans with Disabilities Act or Section 504 of the Rehabilitation Act, please contact the instructor as soon as possible.

12. **Cheating and Plagiarism**

Cheating is the act or attempted act of taking an examination or performing an assigned, evaluated task in a fraudulent or deceptive manner such as having improper access to answers, in an attempt to gain an unearned academic advantage. Cheating may include, but is not limited to, copying from another's work, supplying one's work to another, giving or receiving copies of examinations without an instructor's permission, using or displaying notes or devices inappropriate to the conditions of the examination, allowing someone other than the officially enrolled student to represent the student, or failing to disclose research results completely.

Plagiarism is a specific form of cheating: the use of another's words or ideas without identifying them as such or giving credit to the source. Plagiarism may include, but is not limited to, failing to provide complete citations and references for all work that draws on the ideas, words, or work of others, failing to identify the contributors to work done in collaboration, submitting duplicate work to be evaluated in different courses without the knowledge and consent of the instructors involved, or failing to observe computer security systems and software copyrights.

Incidents of cheating and plagiarism may result in any of a variety of sanctions and penalties, which may range from a failing grade on a particular examination, assignment, or hands-on project in question to a failing grade in the course, at the discretion of the instructor and depending on the severity and frequency of the incidents.

13. Class Schedule

Week #	Week of	Topic	Assignments
1	1/13/14	- Class Introduction - Syllabus review, Intro to Blackboard, Computer Basics, Email project	Practice Test Project 1: Email Project
2	1/20/14	- Operating Systems (general), File Management - Startup Process, Editing the registry	Project 2: File Management Projects 3
3	1/27/2014	- Troubleshooting in Safe mode, Last known configuration - Display and desktop, Multiple displays, Configuring power options	Projects 4 and 5 Quiz 1
4	2/3/2014	- Configure system settings, including firewall, security, Characteristics of workgroups - Manage data storage, Disk compression, Disk defragmentation	Projects 6 and 7 Quiz 2
5	2/10/2014	- Configuring and Troubleshooting TCP/IP - Windows server 2008 Installation	Projects 8 and 9 Quiz 3
6	2/17/2014	- Windows server 2008 Active Directory	Projects 10 and 11 Quiz 4
7	2/24/2014	- Linux Installation - The desktop, File system	Projects 12 and 13 Quiz 5
8	3/3/2014	- Linux command line - GNOME, File system	Projects 14 and 15 Quiz 6
9	3/10/2014	Final Exam on Tuesday, March 11th, 2-3:50pm	