

Note to my students: Please remember that you must read this entire syllabus yourself because you are responsible for knowing its contents. I do realize that this is a lot of reading and I am sorry about that, but this is the simplest way I know of providing all the information you need to know for this online class.
Diane Mayne-Stafford

Section 2616, Fall 2009

CSIS 113: Introduction to UNIX Using SUSE Linux

Instructor: Diane Mayne-Stafford

Office: 507B

Phone: 619-644-7567

EMail: Diane.Mayne-Stafford@gcccd.edu

Office Hours: Subject to change during the semester - take note of any emails sent regarding these. I will be in my office on campus on Mondays from 12:30 – 2 p.m. and by appointment. Online office hours will normally be each weekday morning from 9:15 to 10 a.m. but may be changed for the convenience of students. You may request that I change those hours occasionally and I will do my best to be available online at the time requested. I will post changes to the normal times on BlackBoard. I am not available from Friday evening until Monday mornings

Recommended Preparation

CSIS 110 and CSIS 112 or equivalent experience. The class will be very difficult for students without this background.

Units

This course is worth 3 units.

ACADEMIC HONESTY

Cheating (copying, allowing your work to be copied, violating software copyright laws, other actions) **will not be accepted.** This particularly applies to copying computer files. **YOU MUST DO YOUR OWN WORK! NO SHARING WITH A FRIEND!** Allowing others to copy your work or doing their work for them is cheating, just as much as using someone else's work. You **MUST** do your own work and only your own work. **YOU MUST NOT WORK TOGETHER ON ASSIGNMENTS.** In particular this means that if you are working on the same computer as someone else in the class, you must do your work at different times and using completely separate files, making certain that you do not leave your work on the hard disk for others to access. The first incident will earn a score of zero on the item involved. A second incident will also earn zero points and will also be referred to the appropriate college office so that this is put on your student record. No one who is caught cheating will be allowed to do the optional assignment. Also, if you are caught cheating and you have missed 3 times (including any two day suspension), you will immediately be dropped from the class regardless of any agreement you may have previously made to remain over the normal three absences.

The assignments are designed to be done by a single person and are graded as if a single person did 100% of the work. If I allowed you to work with one friend (which I do NOT) then either you would be entitled

to only half of the grade or I would make the assignment twice as hard and if I allowed you to work with two friends (which I do NOT) then the grade would be divided by three or the work made three times as hard etc..

I understand that this policy may be new and different for some students and if it is not what you have been accustomed to in the past then **you must change** to accept it.

TO REPEAT: DO NOT ALLOW ANY ONE ELSE TO SEE YOUR WORK.

DO NOT GIVE YOUR FILES TO ANYONE ELSE.

DO NOT TAKE THE WHOLE OR ANY PART OF AN ASSIGNMENT FROM ANYONE ELSE.

DO YOUR WORK ALONE.

In-class Time Required:

3 hours lecture per week. This will be done online, except for the required on-campus orientation.

Times

This is an online class. There are no regular on campus meetings and the class is asynchronous, meaning that you do not have to be online or in a particular location at a specific time and you can access your online course 24 hours a day, 7 days a week. It does not mean that the instructor will be there 24/7. However work must be completed and handed in according to a set schedule. Taking an online class requires self-discipline and self-motivation to keep up with the work and to hand in the assignments without prompting by your instructor. You will be taking responsibility for complying with the conditions of the class. You will need to put forth a serious effort in order to yield a satisfying result. You will have to remember to do your work, hand it in on time and take exams without the regular reminders that are often given during on-campus classes. I will not usually be reminding you of events that are on the calendar. You should get into the habit of logging on and checking the calendar and schedule at least every other day, and preferably every day.

For additional help with your work the CSIS department offers several open labs on campus. There is a student tutor available to help answer questions. Times for these labs are posted after the first week of classes. They are found on the department website and outside each of the CSIS labs (rooms 530 to 534). The CSIS tutor may not have taken this class.

Other options are given in the following recommendation to tutoring services in the Learning Resources Center, but you should again be aware that the tutors may not have taken this class:

"Students are referred to enroll in the following supervised tutoring courses if the service indicated will assist them in achieving or reinforcing the learning objectives of this course:

- IDS 198, Supervised Tutoring to receive tutoring in general computer applications in the Tech Mall;
- English 198W, Supervised Tutoring for assistance in the English Writing Center (Room 70-119); and/or
- IDS 198T, Supervised Tutoring to receive one-on-one tutoring in academic subjects in the Tutoring Center (Room 70-229, 644-7387).

To add any of these courses, students may obtain Add Codes at the Information/Registration Desk in the Tech Mall. All Supervised Tutoring courses are non-credit/non-fee. However, when a student registers for a supervised tutoring course, and has no other classes, the usual health fee is charged."

The best place to get help is from other students in the class via the bulletin board (details are in the Technical document).

Online Class Special Requirements

Online classes are different from bricks and mortar classes on campus. There is often the misconception that online students spend less time on the class than a student taking the same class on campus. Online classes actually may require a greater degree of involvement from the student and the student must take personal responsibility for keeping up with the class. You cannot sit in the back of the classroom and say nothing for the entire semester. You will be required to *actively* participate. You need to remember that you will be expected to spend at least two hours of study time for every hour of class time, just as you would in a traditional classroom. This is according to the Carnegie unit guidelines (Title V, Part 6 §55002 of the California code of Regulations). Students who do best in the online situation are motivated and self-disciplined and do not require a great deal of instruction. If you believe you will need a lot of interaction or instruction or interpretation, a class offered on campus would be much better for you.

You must be comfortable with using a computer, email and the World Wide Web. There are several assessments available on the World Wide Web that let you decide if you are a good candidate for online classes. One of the questions that I have seen that I think is very important is "Will your family support you working so many hours at home?". If you choose to try out one of these quizzes and find that you are not a natural online student, do remember that there are lots of people like you who have done very well online BUT they have been willing to put in a lot of effort. Please go through the pages at <http://www.gcccd.edu/online/> for lots of help with online issues.

Description

CSIS 113 is an introductory course in operating system principles and theory and their practical implementation using the Linux operating system. Lectures will describe principles and methods involved, and hands-on lab practice and exercises will be assigned. Important topics will include File Processing and File System Structures and Operating System Process creation and management. The class will use the command line interface and utilize Telnet or Secure Shell to access the CSIS Linux server.

The material, work and topics of the online and on-campus classes are the same. However in this class you only attend one required on-campus meeting, the orientation. You do your work at home or any other location where you have Internet access. Online work is done in BlackBoard. Details of how to access BlackBoard will be provided during the orientation meeting on campus and in the document "*FA09 CSIS 113 Technical Details*"

Homework will also be required. See the section on homework later in this syllabus for details.

I highly recommend going to the GCCCD Online Classes webpage at <http://www.gcccd.edu/online/> for information about taking online classes. Additional technical details are given in the Technical handout for this class.

The CSIS department has a LINUX server available that we will use for practical assignments. Secure Shell will allow you to access this server. See the Technical handout for details of how to log on. Novell SUSE Linux 9.3 is currently loaded on this server, to match the version that the textbook uses. This is a stable and well received product that is being used by more and more companies. See <http://www.novell.com/linux/speakout.html> for customer comments.

YOU ***MUST*** USE YOUR BIRTHDATE IN THE SAME FORMAT AS YOUR GROSSMONT COLLEGE PIN NUMBER FOR YOUR PASSWORD IN LINUX. IF YOU DO NOT, I MAY NOT BE ABLE TO GRADE YOUR WORK AND I WILL DROP YOU FROM THE CLASS.

Objectives

During this class you will:

- Describe the components/layers/services of the Linux operating system
- Describe the functions of those components
- Describe the Linux/Open Source revolution
- Describe the hardware/software architecture of a Linux system
- Choose and use an editor for file creation
- Create files and directories and navigation using the file system structure
- Compress and back-up files
- Create and manage multiple processes
- Describe working in a networked environment
- Create simple shell scripts

Upon completion of the course you will be able to:

Demonstrate an understanding of the standard UNIX file system structure and the meaning and types of UNIX files by creating directories and creating, moving and copying different types of files between different directories and be able to find files and file contents and to organize (sort) those files based on different criteria.

Describe the various methods of providing security for files stored in the UNIX file system, to include permission for various types of users to access the files with different levels of usage and availability.

Texts

Getting Started with Linux: Novell's Guide to CompTIA's Linux+, published by Thompson, Course Technology, ISBN: 1-4188-3730-X

This is a reference book. If you are very new to Linux, do not be put off by the extent of this book. We will not cover everything in it during this course. However, this book provides you with additional material that past students have wanted at home while loading Linux on their own machines and it contains everything that you will need to take the Linux+ certification exam, should you choose to do so. The CSIS department has a second Linux class that covers server installation and basic management.

Warning: In the past some students have not purchased the textbook and have tried to rely upon similar material found on the WWW. However that material does not have the page numbers that I reference and refer you to read. This makes it very difficult for students to work through the assigned material and will increase your time spent on the class several-fold. I cannot recommend doing this and I will not make any allowances for the difficulties you encounter if you try. Most of the students who have tried to do this have either had to drop the class or earned a C or D grade.

Disks

Work will normally be saved on the LINUX server but you should always back up your work. Grossmont College takes no responsibility for backing up students work. Backing up your files is described in the technical document.

IT IS ESSENTIAL THAT YOU HAVE A BACKUP COPY OF ALL YOUR WORK. A BACKUP COPY IS A SECOND COPY OF YOUR WORK THAT CAN BE USED IF YOUR ORIGINAL IS LOST. THIS OFTEN HAPPENS WHEN STUDENTS DELETE FILES IN ERROR. THERE IS NO UNDO IN UNIX. NO ALLOWANCES CAN BE MADE FOR LOST OR DAMAGED FILES IF YOU DO NOT HAVE A SECOND COPY. BACKUP YOUR OWN FILES REGULARLY AND DO NOT ASSUME THAT THE SERVER WILL BE BACKED UP FOR YOU.

Lecture

I have written up my notes on each weeks work and made them available as lessons in the Lectures area of BlackBoard. I have included my explanations of concepts where I think the text requires additional explanations and I have included notes on topics that we cover that may not be included in this textbook. Read these lectures in conjunction with the sections in the book. Lectures are designed to highlight essential ideas, to explain difficult concepts in more detail, and to add interesting or different material. They are not detailed repetitions of the text. Discussions will be held about questions/topics of importance using the bulletin board. You will not be able to complete the assignments without reading my lessons and I do assign exam questions based upon the additional material in my lessons.

Exams

Two(2) Timed Exams

These will allow you to demonstrate your understanding of the material. The material will come from both the textbook and the lessons I have written. Exams will consist of multiple-choice questions and short, hands-on problems similar to the end of the chapter exercises. Each exam will be timed (between 50 and 100 minutes) and the length of each will be given at the start of the exam. **Your time is limited, so do not rely on being able to look answers up in your textbook or you will run out of time.** There will also be practical portions to these exams.

Final Exam

There will be a required final exam. The final exam is a part of the class and the rule is that it **MUST** be taken at the time specified in the schedule. Changes to this time are allowed only in documented cases of emergency or illness. The date and time of this exam are on the course calendar. You should put this in your calendar and make appropriate arrangements to take the exam. If you really cannot be there, then please let me know as soon as possible so that we can make alternate arrangements. A week before the end of the semester is too late for me to organize any accommodations. See the college catalog for details

of the college policy regarding missed final exams. The final will be comprehensive, covering the full semesters work. This exam is designed to take 1 hour and 50 minutes. Questions will be short answer and/or multiple-choice. There may be a practical component. Details will be provided at the orientation.

All exams will have a set time limit. It is essential that you plan ahead to take these exams. You are allowed one (1) missed exam due to illness or an emergency. The missed exam must be made up as soon as possible. Call or email the instructor within 24 hours to arrange a makeup. If you do not arrange a makeup soon enough, I will have to hand out the results to those students who did take the exam on time. Once I have handed out the results, I cannot allow a student to take the same exam and I do not make up special exams for individual students. Documentation of the illness or emergency may be required. Missed exams will be subject to a 10% lateness penalty. Unless authorized in advance, exams missed in excess of that one may not be taken.

Assignments

The assignments are designed to provide practice in using the UNIX/Linux operating system. When each assignment is handed out there will be an explanation of the assignment. You will be told the order and format in which to hand work in. **I will not grade work that does not follow these specifications. FOLLOW MY INSTRUCTIONS EXACTLY - THIS IS NOT THE TIME OR PLACE FOR INDIVIDUAL INITIATIVE.** I will take off points for not following my instructions. If you do not understand something in the assignment, you are responsible for contacting me and asking for an additional explanation. I am always willing to elaborate on requirements for assignments.

Also you should not use Linux commands that have not already been covered in the text, unless I have specifically given you those commands. For example there is a way to find out the size of your home directory using the du command. However the du command is not covered in this text until Section 12, which we do not cover, and so it cannot be given as the answer when you are asked to give the size of your directory.

Assignments **MUST** be turned in on time. **The most frequent reason for students not doing well in this class is missing or poor projects.** Often this is because students don't start doing the assignment until the last minute and then their computer goes down and they cannot get to an alternative site. You must do your work in time to allow you to get to a backup location to hand in your work on time if necessary. I will put two dates on each assignment. The due date will be a Sunday night at 11:55 p.m. and the last time to submit the assignment will be the next day (Monday) at 5 p.m. This gives you time on Monday to get your work in if something went wrong with your computer on Sunday evening. However, I will take off 10% for late work regardless of the reason for lateness. It is really important that you get into the habit of doing your work ahead of the due date, allowing time to get to an alternative location in an emergency. The only exception to the above is if the Grossmont server or BlackBoard server is unavailable on Sunday afternoon an evening.

Homework

- Be prepared to spend about 2 hours for every 1 hour in the classroom. This is standard for any community college course and follows the Carnegie unit guidelines. (See Title V, Part 6 §55002 of the

California Code of Regulations). When this class is taught on-campus there are 3 hours a week of class time, so up to 6 hours a week may be spent doing work outside class. That means for an online class you can expect to spend up to 9 hours per week. Some students will have more background in the subject matter than others and will spend less time.

- Read the assigned sections and the instructor-provided lessons, PowerPoint’s and additional materials
- Complete the practice activities
- Complete the assignments

YOU MUST RETAIN ALL GRADED ASSIGNMENTS AND EMAIL COMMUNICATIONS REGARDING GRADES FOR FUTURE REFERENCE. DO NOT DISCARD ANY WORK BEFORE YOU HAVE RECEIVED YOUR GRADE. IF THERE IS ANY QUESTION ABOUT YOUR GRADES, THESE RECORDS WILL BE USED TO RESOLVE THE ISSUE.

Extra Credit

There is one optional additional credit assignment. It is designed to give everyone a chance to miss one assignment without penalty. Because this assignment is available I will not consider accepting any late or makeup assignments. This assignment will be allowed conditional upon your good standing in the class meaning that if you have been found cheating I will not accept it.

I **WILL NOT** give any additional optional extra credit for any reason whatsoever, so please don't waste your time asking.

**REMEMBER: DO NOT ALLOW ANY ONE ELSE TO SEE YOUR WORK.
DO NOT GIVE YOUR FILES TO ANYONE ELSE.
DO NOT TAKE THE WHOLE OR ANY PART OF AN ASSIGNMENT FROM ANYONE ELSE.
DO YOUR WORK ALONE**

Grades

The points given will be as follows:

Type of Work	Number	Total Points
Exams	2	100
Final	1	100
Projects (Points values are shown on the calendar)	13	<u>400</u>
TOTAL		600

Grading is on an absolute scale as follows:

Grade Percentage

- A 90 - 100%
- B 80 - 89.9%
- C 70 - 79.9%
- D 60 - 69.9%
- F < 60%

Attendance:

There is one on campus orientation meeting. This is a **required** meeting. If someone cannot attend this meeting I will require that you send a proxy person to take notes for you and you must also provide documented proof of your reason for being absent. Without this documentation I shall drop you from the class. If you cannot attend the orientation meeting you must send your proof of an acceptable excuse as an email attachment or in the regular mail so that it arrives by the Friday of the first week of classes. Acceptable documentation includes doctors' notes, police reports, AAA or towing service receipts, letters from your employer on their letterhead notepaper etc. I do not accept notes from your mother or any other interested party saying that you felt ill or that your car wouldn't start etc. Similar proof must be provided if you have an emergency and cannot attend the final exam. It is not my policy to give incomplete grades unless there is a real emergency.

Since there are no regular on-campus class sessions, attendance and participation take place online using threaded discussions on the bulletin board found in BlackBoard. Handing in assignments and any assigned practice sessions on time also counts as participation.

If a student misses an assignment or exam due date, it is counted as an absence. Non-participation in a required bulletin board discussion also counts as an absence. There are no excused absences in an online class. Students may be dropped from the class after three absences. I will not be giving any notice of my actions; it is up to the student to be responsible for keeping track of his/her absences. You should be logging on at least every other day to check the bulletin board.

This online class requires that you keep up with the assignments. Remember that Internet connections are not 100% reliable so it is a good idea to work ahead of time. I will not be making any allowances for your connection being down or for your own computer problems. I believe anyone can get access to the Internet from an alternative location if necessary. You are responsible for making sure that your equipment and connections are in working order. However, if the Grossmont server is not available for any extended time during the 24 hours prior to an assignment due date I will extend the deadline. This will be announced on the bulletin board. If an assignment is due at 11:55 p.m. and you choose to wait until 11p.m. to turn it in and your connection goes down, I will not accept that as a valid excuse. You should have turned in the assignment earlier, allowing time to go to a backup location if anything goes wrong.

The web management system for this class is BlackBoard at <http://bb.gcccd.net/>. It is used to manage the class including obtaining and handing in assignments and exams. Inside BlackBoard is a messaging function that will be used instead of email for ALL messages relating to the class. Once you have your

When you log on to BlackBoard you should use only this internal messaging system so that I can keep mail for the class in a single location. I will not read or reply to email sent to my Grossmont College email unless there is a problem with BlackBoard. Think of these messages as the equivalent of office hours. There is a bulletin board inside BlackBoard that we will use for threaded discussions related to the class content. See the technical details file for details of how to use the bulletin board and for the type of discussions allowed. I highly recommend going to the GCCCD Online Classes webpage at <http://www.gcccd.edu/online/> for information about taking online classes.

IF YOU HAVE A PROBLEM WITH BLACKBOARD YOU *MUST INCLUDE YOUR PASSWORD IN YOUR MESSAGE TO ME.* I MAY NEED TO LOG ON AS YOU IN ORDER TO DETERMINE THE PROBLEM.

Contacting your instructor

I will read and reply to BlackBoard Messages at least once a day, Monday through Friday. I will try to read messages over the weekend but I cannot commit to doing so every weekend. Remember: **DO NOT** use the email feature that sends email to my personal or Grossmont College email, but **do** use the message feature of BlackBoard. In the past student emails to my Grossmont email have been filtered out and discarded by the spam blocker but this cannot happen with BlackBoard Messages. The only exception is if BlackBoard is not available. You will have to check for messages manually EVERY time you log on because no indication of new messages is given.

It is IMPORTANT that you read the syllabus, calendar, FAQs and other Help documents BEFORE asking questions related to those items. If I start getting unnecessary questions like "When is the assignment due?" or "Is the exam open book?" I shall institute a policy of taking points off for each question that I have already answered in one of the posted documents.

Remember that BlackBoard Messages is taking the place of office hours that are mostly used for more personal items. For questions that would normally be asked during class and when you do not know how to go about solving one of the homework problems you should ask your fellow students and me for help by posting your question on the bulletin board. This allows us all to have the opportunity to benefit from the subsequent discussion. If you feel your question needs to remain anonymous, message it to me and I will post it if it is relevant to the whole class.

Adding the class, Credit/No Credit, Withdrawal/Drops etc.

Any administrative functions are your responsibility. It is YOUR responsibility to enroll in and withdraw from class. You are also responsible for payment for classes and may find that you cannot access the class BlackBoard site if fees are not paid. You must be actively enrolled and in good standing to access the class. See the class schedule for details of student withdrawal and grade responsibility, prerequisites, grading and class attendance etc. See the class schedule also for details of drop and withdrawal, dates and procedures. See the appropriate office for detailed, accurate information. **Students are responsible for attending to these matters.** Questions regarding admission, registration, payment etc. should be addressed to the appropriate college department.

It is not the policy of this instructor to assign “Incomplete” grades. Grossmont College has an Incomplete grade Policy that is fairly restrictive, so usually I could not assign an Incomplete, even if I wanted to do so.

IN-CLASS CONDUCT

This class is offered in the Career Technical Education/Workforce Development Division, helping to prepare you for a job in the computer field and thus many of the class processes and rules are those that an employer will expect. Students are expected to behave in a professional manner, showing due consideration for others in the class.

All disruptive behavior will be reported to the office of Student Affairs and appropriate action will be taken. See the catalog and "Student Discipline Procedures" handbook for details of the Student Code of Conduct. Usually I will give a reprimand and warning for the first offense, but if there is a second instance then I will give a two day suspension from the class that covers the next two participatory events as described in the class attendance policy.

In a college class it is the responsibility of both the instructor AND the students to ensure a well-regulated learning environment. I cannot deal with a problem unless I know about it so you must inform me of the problem so that I can deal with it, so if for example another student is sending you private email that is disturbing, it is your responsibility to let me know.

Online professional behavior translates into how you behave on the bulletin board and when using email/messaging. I expect you to be respectful of others in the class, remembering that for some people writing everything out is not easy. I especially do not want you to use the text-messaging type of shorthand or any form of slang. It is much easier for those of us who have learned American English as a second language to understand correct grammar and punctuation.

Also, and very importantly, it should be noted that this is a COLLEGE class and every student in the class is treated as an adult and expected to behave as an adult regardless of their chronological age. All work done and grades assigned are PRIVATE, between the instructor and the student. I may occasionally need to email you at the email address you specify in WebAdvisor so please make sure that email address is your own.

Students with Disabilities

Students with disabilities who may need accommodations in this class are encouraged to notify the instructor and contact Disabled Students Programs and Services (DSP&S) early in the semester so that reasonable accommodations may be implemented as soon as possible. Students may contact DSP&S in person in room 110 or by phone at (619) 644-7112 (voice or (619) 644-7119 (TTY for deaf). I am not allowed to make any accommodations until I have notice from DSP&S.

Career Information:

The [CSIS department web page](http://www.grossmont.net/csis) has information on careers in the computer field and the further courses you should take in the CSIS department to prepare you for those careers. The web page is at <http://www.grossmont.net/csis>

Revised 6/10/2009

Note that you can work ahead. The due dates are the last time to hand in assignments without a penalty and the day following the due date is the last possible time to hand in work.

Note that this syllabus may be changed as necessary during the semester. I do not intend or expect to do this unless there is an emergency situation.

You may also need it to refer back to this syllabus frequently. Please review it before asking me any questions that I may have already answered here.

Tips for Multiple Choice Exams

- Read the questions very carefully -- they can be tricky
- Have a page of notes for reference.
- Do not rely on the book as you will take too much time and may not complete the exam.
- Go through the exam one time answering only the questions you know. Do not waste time on those you do not know. When you have answered all the questions you know, start on those you are not sure about.
- Use a process of elimination to get to the possible answers and then use clues from the other questions.
- Use logic and reasonableness to answer questions. For instance "The programs stored in a computer enabling them to process data" are NOT resident aliens.
- If you feel a question is ambiguous, make a note of it and send the instructor a message with your answer and the reason for that answer. Occasionally I will allow an answer because a student had a good reason for that choice even if it does not match the book answer.

CSIS 113 Section 2616 Fall 2009 (Online) Calendar of Activities

Start	Topic	Assignment	Due Date
SAT 8/22	On-campus orientation, Room 531 11-12:30 a.m.	REQUIRED ON -CAMPUS	SAT 8/22
Wk 1: 8/24	Sect 1, History & Architecture/Environment	#1: 20 points	Sun 8/30 (see note)
Wk 2 8/31	Logon, beginning commands & getting help	#2: 20 points	Sun 9/6
Wk 3: 9/7	Section 5 (1st part only), Files/File System structure.	#3: 20 points	Sun 9/13
Wk 4: 9/14	Section 6, Linux shells and Editing files	#4: 30 points	Sun 9/20
Wk 5: 9/21	Section 6, Piping & Redirection	#5: 30 points	Sun 9/27
Wk 6: 9/28	Section 5, Files and directories	#6: 30 points	Sun 10/4
Wk 7: 10/5	Review and Exam 1 on content of weeks 1 through 5	EXAM 1 (50 pts)	SAT 10/10
Wk 8: 10/12	Section 5, Finding files & Searching contents	#7: 30 points	Sun 10/18
Wk 9: 10/19	Section 5, Backup & Compression	#8: 40 points	Sun 10/25
Wk 10: 10/26	Section 5, File Types & Sorting	#9: 50 points	Sun 11/1
Wk 11: 11/2	Section 7, File Security	#10: 50 points	Sun 11/8
Wk 12: 11/9	Review and Exam 2 on content of weeks 1 through 10	EXAM 2 (50 pts)	SAT 11/14
Wk 13: 11/16	Section 8, Processes and Process Management	#11: 30 points	Sun 11/21
Wk 14: 11/23	Section 9, Networks & Network Tools	#12: 30 points	Sun 11/29
Wk 15: 11/30	Introduction to shell programming (bash)	#13: 20 points	Sun 12/6
Wk 16: 12/7	Review for Final Exam		
SAT 12/12	SATURDAY Final Exam 10:30 – 12:20 a.m.	FINAL EXAM (100 pts)	

Note: Anyone enrolling into the class after the orientation must email the instructor as soon as possible to arrange an alternative for the orientation and orientation exercise. These will still be due on 8/30.