Contact: Instructor: Mr. Rob Power   Section #: 1
           Office: Building 10 – Room 271
           Email: robert.power@cna-qatar.edu.qa
           Phone: 495-2520

Prerequisite(s):   None

Purpose of the Course:

This course is the first in a series of two courses that deals with the use and administration of a Linux based system. In this course the student will learn design and architecture of a Linux operating system, as well as how to use many of the commonly used Linux tools from the command line. Furthermore, the student will learn how to plan, install and configure a Linux system, and how to perform normal administration tasks.

Class Location: Building 10, Second Floor Room 29 (10-225)

Textbook: *Guide to UNIX using Linux, Third Edition*
          ISBN: 9780619215620, Thomson Course Technology

Resources: Provided by Instructor

Major Topics:

1.0   Introduction to the Linux Operating System
2.0   Introduction to the Linux File System
3.0   Linux Permissions
4.0   File Management
5.0   Redirection, Filters, and Pipes
6.0   TCP/IP and the Internet
7.0   The Text Editor
8.0   Installing and Configuring Linux
9.0   Managing Linux

Classroom Guidelines:

Attendance: Students are expected to attend all lecture and lab sessions for this course, as scheduled. Students absent for medical reasons must provide documentation from their doctor / hospital within FIVE (5) days of their return to class. Medical notes must be provided to the Registrar's Office. Your instructor CANNOT accept medical notes.

Mobile Phones: Mobile phones cannot be used during class time. Please ensure that your phone is turned off, or is set to SILENT.

Assignments: Assignments must be submitted on or before the assigned due date. Late assignments CANNOT be accepted.

Missed Tests: Students are expected to attend and write all quizzes / exams for this course. Students missing quizzes / exams must provide medical documentation to the Registrar's Office within FIVE (5) days of their return to class, or a grade of zero (0%) will be assigned. Make-up tests CANNOT be provided. However, students missing quizzes / exams for valid, documented medical reasons, can discuss alternate evaluation arrangements with the instructor (ie: the value of the missed quiz will be added to the value of the next quiz).

Plagiarism: Absolutely no plagiarism, copying or sharing of work allowed. All students who are involved will receive a zero (0%) for the specific work that was copied, and a form will be placed in the student's folders. If you are researching from the Internet or text books, information must be paraphrased or changed into your own words with proper referencing provided.

Evaluation:

Item	Value	Description
Unix Quiz #1	20%	Quiz on Chapter 1-2 (Introduction to Linux and File System)
Unix Quiz #2	20%	Quiz on Chapters 4-5 (File Management)
Unix Laboratory Assignments:	30 %	Lab work from Chapters 1-5, plus Text Editor/Shell Script Lab Assignments.
Linux Laboratory Assignments:	30 %	Lab work for Linux OS installation, administration, and troubleshooting activities.
TOTAL MARKS:	100%	

Class Schedule and Instructor Contact Hours):

	Sunday	Monday	Tuesday	Wednesday	Thursday
7:30 AM	CP2190 10-225	MC1820 10-213	CP2190 10-225	MC1820 10-213	On Campus
8:30 AM	CP2190 10-225	MC1820 10-213	CP2190 10-225	MC1820 10-213	Office 10-271
9:30 AM	MC1820 10-213	CP2190 10-225	MC1820 10-213	CP2190 10-225	Office 10-271
10:30 AM	MC1820 10-213	CP2190 10-225	MC1820 10-213	CP2190 10-225	On Campus
11:30 AM	Office 10-271	Office 10-271	Meeting Time	Office 10-271	On Campus
12:30 PM	On Campus	On Campus	Meeting Time	On Campus	On Campus
1:30 PM					
2:30 PM					
3:30 PM					
4:30 PM					

Delivery Schedule, CP2190, Intercession 2009:

Week:	Agenda:
Week 1: May 3-7	*Registration (May 3)* *First Day of Classes (May 4)* **Intro to Unix** ▪ **Chapter 1** ▪ **Chapter 1 Labs**
Week 2: May 10-14	**Unix File System** ▪ **Chapter 2** ▪ **Chapter 3, pp. 105-108, slides 1-6 (ASCII, binary and executable files)** ▪ **Chapter 1-2 Labs** ▪ **Review for Quiz #1**
Week 3: May 17-21	==Quiz #1 (Chapters 1-2)== **File Management, Redirections, Filters and Pipes** ▪ **Chapter 4** ▪ **Chapter 4 Labs** **File Management, Redirections, Filters and Pipes** ▪ **Chapter 5** ▪ **Chapter 5 Labs**
Week 4: May 24-28	**File Management, Redirections, Filters and Pipes** ▪ **Finish Chapters 4-5 and Labs** **The Text Editor** ▪ **Text Editor and Shell Script Lab Assignments** ▪ **Review for Quiz #2**
Week 5: May 31-June 4	**Finish Text Editor and Shell Script Lab Assignments** ==Quiz #2 (Chapter 4-5)== **Begin Linux Labs (*Time Permitting*)**
Week 6: June 7-11	**Linux:** ▪ **Installation and Configuration of Linux** ▪ **Linux Labs**
Week 7: June 14-18	**Linux:** ▪ **Linux Labs**
Week 8: June 21-25	**Linux:** ▪ **Finish Linux Labs** ==**Exam Week**==
Week 9: June 28-30	**Admin**

***Please Note: All due Dates are Tentative!