

**GRAYSON COLLEGE**  
**Course Syllabus**

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**Course Information**

**ITSC1416.001, Linux Installation and Configuration, In Classroom**

**Type of Course/Delivery Mode/Testing Requirements**

**Face to Face course, Lecture 3 hrs/wk on campus, Lab 1 hr/wk**

**Testing will be in classroom for Midterm and Final, Labs will be in class using provided lab systems**

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**Professor Contact Information**

**John Dick, 903-463-8670, email [dickj@grayson.edu](mailto:dickj@grayson.edu), AT108B,**

**Office hours M-TH 3-4pm & F 8a-1pm**

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**Course Pre-requisites, Co-requisites, and/or Other Restrictions: *None***

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**Course Description – ITSC1416 is a study of the installation, configuration, and maintenance of Linux/Unix Operating Systems, including their history and use today. Discussion of the differences between Windows and Linux, and why Linux is the preferred operating system for many server applications.**

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**Student Learning Outcomes – Install, Configure, Operate, Maintain a Linux System.**

- **Teach the student to successfully install and run a Linux system**
  - **Teach the student to manage user accounts**
  - **Teach the student to understand and use common system commands,**
  - **Teach the student find and read “Man Pages”**
  - **Teach the student Linux file organization**
  - **Teach the student common Linux processes and what they do**
  - **Teach the student what redirecting IO means and how it is done**
  - **Teach the student the text editors called VI**
  - **Teach the student to write basic shell (BASH) Scripts**
  - **Help the students understand Linux printer management**
  - **Teach the student to perform Linux backups & system maintenance**
  - **Teach the student to configure and control Linux networking**
  - **Teach the student how to install sound, video, other devices in Linux**
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**Required Textbooks (ISBN # included) and Materials**

**Online Text:      [Introduction to Linux – A Hands on Guide](http://tldp.org/LDP/intro-linux/intro-linux.pdf)  
<http://tldp.org/LDP/intro-linux/intro-linux.pdf>**

**\* Note: No lab book required. Labs will be assigned in class**

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## Required Assignments & Academic Calendar

In case of inclement weather, emergency closings, or other unforeseen disruptions to scheduled classes, student must log onto their Canvas accounts for directions on where or how to continue their coursework.

### Outline of Topics Covered

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- What is Linux
- Linux Quickstart
- About Files and the File System
- Processes
- I/O Redirection
- Text Editors
- Home Sweet /home
- Printers and Printing
- Fundamental Backup Techniques
- Networking
- Sound and Video

Chapters 1-5 will be covered the first seven weeks and week 8 will be a Midterm exam.

Chapters 6-11 will be covered in weeks 9-15 and week 16 will be the Final exam.

**This schedule is subject to change, with fair notice, via in class announcements**

Week	Date	Topics, Readings, Assignments, Deadlines
1	1-16-17	Syllabus, Intro Chapter, Ch 1
2	1-23-17	Lab0-Install Ubuntu, Ch 2
3	1-30-17	Lab1a-System Info, Lab1b-Cmds
4	2-06-17	Lab2-Pswds/Dirs/Files, Ch 3
5	2-13-17	Lab3-Files, Ch 4
6	2-20-17	Lab4-Processes, Ch 5
7	2-27-17	Lab5-Redirecting IO, Review for Midterm
8	3-6-17	Lab Makeups, Midterm Exam (Taken in Class at regular time)

Week	Date	Topics, Readings, Assignments, Deadlines
SpBrk	3-13-17	** Spring Break **
9	3-20-17	Ch 6, Lab 6-Vi Editor
10	3-27-17	Ch 7, Lab 7-Scripts
11	4-03-17	Ch 8, Lab 8-Printers
12	4-10-17	Ch 9, Lab 9-Backups
13	4-17-17	Ch 10, Lab 10-IP Addressing/Net Stat
14	4-24-17	Ch 11, Lab 11-Ubuntu Apps
15	5-01-17	Lab 12-Bootable Ubuntu USB, Review for Final Exam
16	5-08-17	Lab Makeups, Final Exam (Taken in Class at regular time)

### Methods of Evaluation

#### Grading

Categories	Percentage
Labs	50
Avg of Midterm & Final	50

Grade Scale	90- 100	A
	80 - 89	B
	70 – 79	C
	60 – 69	D
	< 60	F

Students can check grades in CANVAS throughout the semester.

**\*\*\* More than 3 absences will result in the loss of one point from your overall grade for each additional absence \*\*\***

**\*\*\* Lab assignments are due two weeks from the date on which they are issued or with the midterm or final exam for which the material applies, whichever comes first.**

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### Methods of Instruction

The course will be lecture, videos, discussions and labs with hands on components

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### **Course & Instructor Policies**

**There will be no makeup exams or extra credit or late work accepted. Class attendance will be expected.**

**The quizzes that are required for this course may be completed at home or any other place of the students choosing. If a student does not have a computer or internet access they may use the computers in the classroom when the room is not in use or may go to the open lab at CIS106 or the Library.**

**Students will not cheat or copy during the tests or use another page. If caught doing this the student will receive a grade of F for the exam.**

### **Class Attendance**

Academic success is closely associated with regular classroom attendance and course participation.

All successful students, whether on campus or online, are expected to be highly self-motivated.

All students are required to participate in courses regularly and are obliged to participate in class activities and complete and submit assignments following their professors' instructions. Students taking courses during compressed semester time frames such as mini-mester, summer sessions, and mid-semester should plan to spend significantly more time per week on the course. Responsibility for work missed because of illness or school business is placed upon the student. More than two (2) absences are considered to be excessive. In addition, students' eligibility to receive financial aid or live in a College dormitory can be affected by withdrawal from courses. When withdrawal occurs, any tuition refund would be made in accordance with state regulations.

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### **Student Conduct & Discipline**

**Students will be in their seats before the start of class. They will participate in class discussions and ask questions appropriate to the subject matter as needed. Safety is of the utmost importance in the classroom especially when labs are being accomplished. Cell phones will be on silent and may only be answered outside of the classroom.**

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### **Academic Integrity**

The faculty expects from its students a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrate a high standard of individual honor in his or her scholastic work.

Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, and the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts.

Plagiarism, especially from the web, from portions of papers for other classes, and from any other source is unacceptable.

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### **Student Responsibility**

You have already made the decision to go to college; now the follow-up decisions on whether to commit to doing the work could very well determine whether you end up working at a good paying job in a field you enjoy or working at minimum wage for the rest of your life. Education involves a partnership that requires both students and instructors to do their parts. By entering into this partnership, you have a responsibility to show up for class, do the assignments and reading, be engaged and pay attention in class, follow directions, and put your best effort into it. You will get out of your experience here exactly what you put into it – nothing more and nothing less.

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## **TITLE IX**

GC policy prohibits discrimination on the basis of age, ancestry, color, disability, gender identity, genetic information, national origin, race, religion, retaliation, serious medical condition, sex, sexual orientation, spousal affiliation and protected veterans status.

Furthermore, Title IX prohibits sex discrimination to include sexual misconduct: sexual violence (sexual assault, rape), sexual harassment and retaliation.

For more information on Title IX, please contact:

- Dr. Regina Organ, Title IX Coordinator
- Dr. Dava Washburn , Title IX Coordinator
- Website: <http://www.grayson.edu/campus-life/campus-police/title-ix-policies.html>
- GC Police Department: (903) 463-8777
- GC Counseling Center: (903) 463-8730
- For Any On-campus Emergencies: 911

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**Grayson College is not responsible for illness/injury that occurs during the normal course of classroom/lab/clinical experiences.**

**These descriptions and timelines are subject to change at the discretion of the Professor.**

**Grayson College campus-wide student policies may be found on our Current Student Page on our website:**

<http://grayson.edu/current-students/index.html>