

# **GRAYSON COLLEGE**

## **Course Syllabus**

### **Course Information**

**ITNW1325.001, Fundamentals of Networking Technologies, In Classroom**

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

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

Testing will be in classroom for Midterm and Final, Chapter quizzes will be online

### **Professor Contact Information**

**Instructor Name:** Jim Johnson

**E-mail:** [johnsonj@grayson.edu](mailto:johnsonj@grayson.edu)

**Office Phone:** 903-463-8671

**Office Hours:** MW 8-9:30 AM and 12-1 PM  
TTh 8-11 AM and 12-1 PM

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

### **Course Description**

**ITNW1326, Fundamentals of Networking Technologies. (2-3-3).**

Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software (R).

### **Student Learning Outcomes**

Upon successful completion of this course, students will:

1. Identify and use network transmission media.
2. Explain the OSI model. Identify the characteristics of network topologies and protocols.
3. Identify the functions of a network operating system and distinguish between centralized, client/server and peer-to-peer systems.
4. Distinguish between Local Area Networks (LANs) and Wide Area Networks (WANs) and identify the components used to expand a LAN into a WAN.

### **Required Textbooks (ISBN # included) and Materials**

Network+ Guide to Networks, 6th Edition, Tamara Dean, ISBN-13: 978-1-133-60819-6

### **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.

<b>Week</b>	<b>Topics, Readings, Assignments, Deadlines</b>
1	Get Acquainted, Syllabus, Expectations, How to get an "A" Chapter 1, <b>Lab #0 (Windows Installation)</b> Online Exams 1-7 Open
2	Chapter 2, <b>Lab #1 (Basic Network Commands – See Chapter 4&amp;9?)</b>

	<b>Chapter 1 Quiz due</b>
3	Chapter 3, <b>Lab #2 (Build a Cable)</b> <b>Chapter 2 Quiz due</b>
4	Chapter 4, <b>Lab #3 (File Sharing)</b> <b>Lab #1 due</b> <b>Chapter 3 Quiz due</b>
5	Chapter 5, <b>Lab #4 (Frame/Packet Analysis using Wire Shark)</b> <b>Lab #2 due</b> <b>Chapter 4 Quiz due</b>
6	Chapter 6, <b>Lab #5 (Mis-Configured/"What If" using DHCP)</b> <b>Lab #3 due</b> <b>Chapter 5 Quiz due</b>
7	Chapter 7, Review for Exam 1 <b>Lab #4 due</b> <b>Chapter 6 Quiz due</b>
8	Tuesday: <b>*** Lab #5 Due by end of class ***</b> Thursday: <b>*** In Class - Exam 1 Chapters 1-7 NO LAB TIME -- NO LABS ACCEPTED!!!</b> Online Quizzes for Chapters 8-15 Open @ 8am <b>Chapter 7 Quiz due</b>
9	Chapter 8, <b>Lab #6 (Wireless Network Configuration)</b>
10	Chapter 9, <b>Lab #7 (Basic Linux Commands)</b> <b>Chapter 8 Quiz due</b>
11	Chapter 10, <b>Lab #8 (Remote Desktop)</b> <b>Lab #6 due</b> <b>Chapter 9 Quiz due</b>
12	Chapter 11 and Chapter 12, <b>Lab #9 (Understanding MS Advisories)</b> <b>Lab #7 due</b> <b>Chapter 10 Quiz due</b>
13	Chapter 13 <b>Lab #8 due</b> <b>Chapter 11 &amp; 12 Quiz due</b>
14	Chapter 14, <b>Lab #10 (Install/Configure Anti-Virus)</b> <b>Lab #9 due</b> <b>Chapter 13 Quiz due</b>
15	Chapter 15, Review for Exam 2 <b>Lab #10 due</b> <b>Chapter 14 &amp; 15 Quiz due</b>
Final Exam	<b>*** In Class - Exam 2 Chapters 8-15 NO LAB TIME -- NO LABS ACCEPTED!!!</b>

### Methods of Evaluation

#### Grading

Categories	Percentage
Quizzes	33
Labs	33

Avg of Midterm & Final	33
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#### Grade Scale

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

Students can check grades in CANVAS during the semester.

**\*\*\* More than 2 absences will result in the loss of two points 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, whichever comes first.**

**Methods of Instruction** The course will be lecture, videos, discussions and labs with hands on components

#### **Course & Instructor Policies**

Class attendance is required. There will be no makeup exams or extra credit or late work accepted. In-Room 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 with 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 CIS107 or the Library.

Students will not cheat or copy off of others during tests. If caught doing this the student will receive a grade of F for the assignment.

#### **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-semester, 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.

#### **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 will be answered outside the classroom.

### **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.

### **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.

### **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 (903-463-8714)
- Dr. Dava Washburn, Title IX Coordinator (903-463-8634)
- Dr. Kim Williams, Title IX Deputy Coordinator- South Campus (903) 415-2506
- Mr. Mike McBrayer, Title IX Deputy Coordinator (903) 463-8753
- Website: <http://www.grayson.edu/campus-life/campus-police/title-ix-policies.html>
- GC Police Department: (903) 463-8777- Main Campus (903) 415-2501 - South

Campus

- GC Counseling Center: (903) 463-8730
- For Any On-campus Emergencies: 911

**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>

