GRAYSON COLLEGE
CPMT 1349 - Course Syllabus

Course Information
CPMT1349, Computer Networking Technology

Professor Contact Information
John Dick Email: dickj@grayson.edu   Ph: 903-463-8670

Course Pre-requisites, Co-requisites, and/or Other Restrictions
It is recommend that this course be taken after ITNW1325

Course Description – from college catalog
Networking fundamentals, terminology, hardware, software, and network architecture. Includes local and wide area networking installations and operations.

Student Learning Outcomes

- Prepare the student to successfully pass the CompTIA Network+ exam.
- Teach the student to configure and install TCP/IP clients.
- Teach the students troubleshooting skills.
- Teach the student good safety habits while troubleshooting computers.
- Teach the student to identify, organize, plan and allocate resources.
- Teach the student to apply and use high technology computer systems.
- Provide the student experience in acquiring and using information from a variety of sources.
- Allow the student to work with a variety of applied technologies.
- Teach the student to think creatively, make decisions, solve problems, visualize with the mind's eye, reason, and how to acquire, and apply new knowledge and skills.
- Teach the student the importance of responsibility, self-esteem, social skills, self-management, integrity, and honesty in personal life, and in the work place.

Required Textbooks (ISBN # included) and Materials
CompTIA Network+ All-in-One Exam Guide, Fifth Edition, Michael Meyers,
ISBN-13: 978-0071789226

Required Assignments & Academic Calendar

- Build a network with the OSI seven-layer model.
- Configure network hardware, topologies, and cabling.

- Connect multiple Ethernet components.
- Configure wireless networks.
- Work with network protocols, including TCP/IP, DNS, SIP, and IMAP.
- Configure IPv4 and IPv6 routing protocols.
- Share and access network resources.
- Interconnect network operating systems such as Windows, Mac OS, UNIX/Linux.
- Setup clients and servers for remote access.
- Monitor and troubleshoot networks.
- Secure networks with firewalls, packet filtering, encryption, authentication, and other methods.

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.

This schedule is subject to change, with fair notice, via Canvas messaging

Title	Available from	Available until
Discussion #1 - Who Am I - Getting to know one another	2017-01-16 0:00	2017-01-22 23:59
Ch01-Quiz	2017-01-16 0:00	2017-01-29 23:59
Ch02-Quiz	2017-01-23 0:00	2017-02-05 23:59
Project 1 - The OSI Model	2017-01-23 0:00	2017-02-05 23:59
Ch03-Quiz	2017-01-30 0:00	2017-02-12 23:59
Ch04-Quiz	2017-01-30 0:00	2017-02-12 23:59
Ch05-Quiz	2017-02-06 0:00	2017-02-19 23:59
Ch06-Quiz	2017-02-06 0:00	2017-02-19 23:59
Ch07-Quiz	2017-02-13 0:00	2017-02-26 23:59
Ch08-Quiz	2017-02-13 0:00	2017-02-26 23:59
Ch09-Quiz	2017-02-20 0:00	2017-03-05 23:59
Project 2 - Secure vs. Unsecure TCP/IP Tools	2017-02-20 0:00	2017-03-05 23:59
Ch10-Quiz	2017-02-27 0:00	2017-03-12 23:59
Project 3 - Network Troubleshooting Tools	2017-02-27 0:00	2017-03-12 23:59
Midterm	2017-03-13 0:00	2017-03-19 23:59
Midterm-Practice	2017-03-13 0:00	2017-03-19 23:59
Ch11-Quiz	2017-03-13 0:00	2017-03-26 23:59
Ch12-Quiz	2017-03-13 0:00	2017-03-26 23:59
Group Project Part 1 - Form a Team	2017-03-13 0:00	2017-03-26 23:59
Ch13-Quiz	2017-03-20 0:00	2017-04-02 23:59
Ch14-Quiz	2017-03-20 0:00	2017-04-02 23:59
Ch15-Quiz	2017-03-27 0:00	2017-04-09 23:59
Group Project Part 2 - Schedule Computer Room Visit	2017-03-13 0:00	2017-04-09 23:59
Project 4 - Wireless Router Configuration	2017-03-27 0:00	2017-04-09 23:59
Ch16-Quiz	2017-04-03 0:00	2017-04-16 23:59

Ch17-Quiz	2017-04-03 0:00	2017-04-16 23:59
Ch18-Quiz	2017-04-10 0:00	2017-04-23 23:59
Group Project Part 3 - Submit Group Report	2017-03-13 0:00	2017-04-23 23:59
Project 5 - Network Monitor Software Quotes	2017-04-10 0:00	2017-04-23 23:59
Ch19-Quiz	2017-04-17 0:00	2017-04-30 23:59
Ch20-Quiz	2017-04-17 0:00	2017-04-30 23:59
Discussion #2 - What I have learned this semester	2017-04-17 0:00	2017-05-07 23:59
Final	2017-05-01 0:00	2017-05-07 23:59
Final-Practice	2017-05-01 0:00	2017-05-07 23:59

Methods of Evaluation

This course will have a chapter quiz for each chapter, discussions, mini-projects, 1 Group Project, 1 midterm and 1 final exam

Grading

Categories	Percentage
Quizzes	30
Discussions/Assignments	30
Midterm/Final Avg	30
Group Project	10

Overall Avg.	**Grade**
100-90	A
89-80	B
79-70	C
69-60	D
< 60	F

Students will have access to grades in Canvas Throughout the semester

There will be NO LATE WORK accepted and no extra credit assignments.
Complete the assigned work, on time, and you will do fine.

At times a discussion topic may be posted. All <u>must</u> participate with their own views.
You must be kind and considerate toward others, even if you do not share their opinion.

During discussions it will not be appropriate or tolerated to say anything derogatory to other students. Remember: We were all new to this at some point.

Methods of Instruction

This is a distance learning course and if you need help, have questions or find errors please feel free to send a message via Canvas Conversations and I will try to respond by the end of the next day.

During discussions it will not be appropriate or tolerated for saying anything derogatory against any other students in the discussion. We were all new to this a sometime.

The student in this class should have a computer capable of internet access and have a connection capable of downloading or streaming videos. If this is not possible the student would be required to come to the campus or another internet accessible computer. The campus has computer labs and library which will have computers capable of this type internet access. There will be sufficient time to submit all work. If you wait until the night before the material is due then I will not accept that as an excuse. There will be no need to be on campus for this course unless you need access to a computer, except for the Midterm and the Final

Anyone caught cheating to take tests will result in failure for the course.

Course & Instructor Policies
All work will completed by the dates set in Canvas, no exceptions.

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.

For Internet classes a student must have changed something or interacted with the instructor not just logging into Canvas. Last day attended for this course will be the date of last Assessment completed.

Student Conduct & Discipline
Since this is an internet course, be kind to others when using chat, discussions and mail.

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
- 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

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