

Course Syllabus

Course Name: Networking Concepts
Course Number/Section: NET 110 / 01

Fall Semester 2010 Class Hours: TTH 8:00-9:50

Instructor:	Lee Anne H. Bryan, M.EGR.	Office Location:	Building 17 – Office 103 Parker High Technology Building
Office Phone:	(910) 879-5653	Office Hours:	Monday: 9:00–11:00 am Tuesday: 9:50-10:50 am Wednesday: 9:00–10:00 am Thursday: 9:50-10:50 am
E-mail:	lbryan@bladencc.edu		
Instructor Webpage:	http://www.n4rsa.com		

TEXTS and REQUIRED MATERIALS:

Network+ Guide to Networks, fifth edition, Author: Tamara Dean, Course Technology – Cengage Learning, 2010, ISBN: 9781423902454

Printed Access Card for LabConnection for Network+ Guide to Networks, first edition, Author: dti Publishing, Course Technology – Cengage Learning, 2011, ISBN: 9781111137311

(1) USB 2.0 Portable Flash Drive (at least 512 MB)

DESCRIPTION:

This course introduces students to the networking field. Topics include network terminology and protocols, local-area networks, wide-area networks, OSI model, cabling, router programming, Ethernet, IP addressing, and network standards. Upon completion, students should be able to perform tasks related to networking mathematics, terminology, and models, media, Ethernet, subnetting, and TCP/IP Protocols.

Special Needs Information: Students with special needs related to a diagnosed disability should contact Tommy Rains (910.879.5570; trains@bladencc.edu) in student services for assistance.

GOALS/STUDENT LEARNING OUTCOMES (Students will be able to demonstrate competency in the following areas):

1. Understand basic networking terminology
2. Perform networking mathematics
3. Subnet a Class C Address
4. Identify TCP/IP Protocols

REQUIREMENTS:

Class Discussion
Assignments and Lab Activities
Tests
Final

EVALUATION:

Regular attendance is required to pass this course. After 12 hours of absence, the student is dropped. This roughly equals 6 classes.

Course Syllabus (cont.)

All assignments will be given a point value; grades will be recorded as having achieved an amount of the total points possible.

Attendance and Participation	10%
Tests	20%
Assignments and Lab Activities	60%
Final Exam	10%*

*Exempt from Final Exam if student has an A average with 2 or less absences.

100 – 90 = A	89 – 80 = B	79 – 70 = C	69 – 60 = D	59 and below = F
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Academic Integrity: In addition to good academic performance, students should exhibit honesty and integrity. If there is any question that academic honesty and integrity are not honored, students may be required to redo assignments in the presence of an instructor-selected monitor. Proof of dishonesty, including plagiarism, will make students subject to disciplinary action. Please consult your college catalog for more information.

Ground Rules:

1. Course Attendance:

- Class attendance of 100% is expected. Class absences will demand a 10-point reduction per day in the student's attendance grade.
 - If contact is not made prior to the 10 percent point of the course, then the student will be dropped from the course with a grade of "W".
 - If absences exceed 20% of all scheduled contact hours, the student will be dropped from the course with a grade of "W" or "WF" depending on the official withdrawal date.
 - If absent from class for two consecutive weeks, the student will be dropped from the course with a grade of "W" or "WF" depending on the official withdrawal date.
- Punctuality is expected. Students who are late for class may be denied admittance and be considered absent for the class. If allowed to enter class, a 5-point reduction per day in the student's attendance grade will be applied. Students who leave early, without instructor permission, may receive an absence mark for the class.
- See the college catalog for current policy concerning class attendance, tardiness, drop / add periods, etc.

2. Course Assignments:

- Assignments are due at the beginning of the class period on the due date. Late assignments will be assessed a penalty of 10% per day. No exceptions are made. Assignments more than one week late will not be accepted and will receive a grade of 0. If you must miss class on the day an assignment is due, be sure to turn it in before class or it will be considered late. However, no late assignments will be accepted during final exam week. Always back up your work.
- The student will be responsible for completing and saving assignments in the specified file types. Any other format will not be accepted.
- The student will be responsible for completing the lab assignments and will be expected to fully understand the material. Completion of all assigned labs is a requirement for successful course completion.
- All coursework must be completed. It is not the responsibility of the instructor to advise the student of missed work during the semester or the last week of the semester.
- If the student misses or arrives late to a lecture / lab, the student is responsible for the material presented, handouts distributed, and any announcements made that day. The instructor will not provide notes for missed classes.

Course Syllabus (cont.)

3. Course Quizzes and Exams:

- Quizzes, tests, and exams must be taken on the scheduled date; otherwise a grade of zero will be assigned. Any exceptions to this policy must be the result of a documented emergency or prior arrangement with the instructor. Make-ups must be taken within one week of the originally scheduled test date and will be assessed a three (3) point deduction from the exam grade for each day that the exam is late. It is the responsibility of the student to make necessary arrangements with the instructor to take the make-up test or exam in the appropriate time frame.
- Final exams should be taken on the date specified in the exam schedule, unless a conflict occurs. Please notify the instructor of any problems with the scheduled final exam date.

4. Course Cell Phone and Pager Policy:

- You may have a cell phone in this class, but let family and friends know it is for emergency calls only. You must set the phone on silent or vibrate or you will lose the privilege of having a phone in class. Please step outside to answer any emergency calls. Also, accepting a page or cell phone call *during a quiz or exam* will result in that student's paper being confiscated at the time of the page / call.
- NOTE: Having a pager or cell phone in class is an individual privilege which can be easily revoked by the instructor on a per student basis for abuse of the class policy.

NET 110: Networking Concepts

Course Schedule (*Highly Volatile and Subject to Change!*)

Week 1 Aug. 16-22	An Introduction to Networking – Chapter 1
Week 2 Aug. 23-29	Networking Standards and the OSI Model – Chapter 2
Week 3 Aug. 30-Sept. 6	Transmission Basics and Networking Media – Chapter 3; Test #1
Week 4 Sept. 7-13	Introduction to TCP/IP Protocols – Chapter 4
Week 5 Sept. 14-20	Topologies and Ethernet Standards – Chapter 5
Week 6 Sept. 21-27	Network Hardware – Chapter 6; Test #2
Week 7 Sept. 28-Oct. 4	WANs and Remote Connectivity – Chapter 7
Week 8 Oct. 5-14	Wireless Networking – Chapter 8
Week 9 Oct. 15-21	Network Operating Systems – Chapter 9; Test #3
Week 10 Oct. 22-28	In-Depth TCP/IP Networking – Chapter 10
Week 11 Oct. 29-Nov. 4	Voice and Video Over IP – Chapter 11
Week 12 Nov. 5-11	Network Security – Chapter 12; Test #4

Course Syllabus (cont.)

Week 13 Nov. 12-18	Troubleshooting Network Problems – Chapter 13
Week 14 Nov. 19-29	Ensuring Integrity and Availability – Chapter 14
Week 15 Nov. 30-Dec. 6	Network Management – Chapter 15
Week 16 Dec. 7 8:00 am - 10:00 am	Final Exam