

CLASS NUMBER AND NAME:	<b>CS245-Wireless Networking</b>
TOTAL HOURS/UNITS:	25 HOURS/1.0 UNIT
PREREQUISITES:	Completion or concurrent enrollment in CS160A – Network Plus I
TEXTS AND MATERIALS:	<i>CWNA Guide to Wireless LANS</i> , Mark Ciampa, Course Technology, 2006 Second Edition
CLASS DESCRIPTION:	Instructor led and lab in designing and configuring 802.11 WLANS
CLASS OBJECTIVES:	To provide the student with an in-depth knowledge of designing, implementing, configuring, planning, and troubleshooting Wireless LANS using equipment from two of the principal Wireless LAN vendors, Cisco and 3Com. Extensive coverage of implementation and troubleshooting is reinforced with hands on exercises.
CLASS FORMAT OVERVIEW:	This class is a combination of lecture and lab.
METHODS OF INSTRUCTION:	As lecture and lab are the principal means of instruction, it will be expected that all students will be present every day to take part in class.  Students are required to read the chapter/s prior to lectures. The homework for the current week, will be due on Friday before the start of the test. A 10% penalty will be applied on all homework turned in late.
CLASS ATTENDANCE:	A <b>minimum of 80% attendance</b> is required to complete this class.
TESTING:	Weekly tests will be given each Friday for the first four weeks of the module, with a comprehensive final exam on the last Thursday of the module.
LATE TESTING:	If a student is absent on the day of a test he or she will be able to make up the test the first day he or she returns.
GRADING POLICIES:	The grading system is comprised of attendance, assignments, weekly tests and an end-of-module final and will be graded on the following scale:

Attendance	25%
Homework	25%
Weekly tests	25%
Module Final	25%
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	100%

Combined grades from attendance, assignments, weekly tests and end-of-module final will be graded on the following scale:

90 – 100%	=	A
80 – 89%	=	B
70 – 79%	=	C
60 – 69%	=	D
0 – 59%	=	F

**LATE Assignments = -10%**

**ANTICIPATED LEARNING  
OUTCOMES:**

Upon completing this course, the student will have:  
experience with:

1. RF and WLAN fundamental technologies
2. Understanding the various IEEE 802.11 standards
3. Building, Planning, and Securing WLANS
4. Installing and configuring an Access Point.
5. Installing and configuring Wireless NICs
6. Managing a WLAN
7. Troubleshooting a WLAN
8. Researching the latest developments in wireless technology using an electronic database, E -library

A student will have earned a passing grade in the course by achieving a D or higher.

**CS245- Wireless Networking**

Tentative schedule

Instructor: Scott Wilcox  
Email: swilcox@empirecollege.com

**Week 1**

Chapters: 1 and 2  
Thursday - Review

Friday- Test, Homework due

**Week 2**

Chapters: 3

Thursday - Review

Friday- Test, Homework due

**Week 3**

Chapters: 8

Thursday - Review

Friday- Test, Homework due

**Week 4**

Chapters: 9

Thursday - Review

Friday- Test, Homework due

**Week 5**

Chapters: 11

Thursday - Review

Thursday Final - Homework due

**Home Work:**

All Home work must be typed.

Create 7 original questions of your own choosing, per chapter, per week, with answers.

One word answers will not be accepted.

Include the page number of the chapter, from which you created the question.

Include your:

Name

Date

Chapter Number

Course Number, at the top of the page.

Copied or reverse engineered questions will not be accepted.