ITM435 Course Syllabus

Course Title: CSC668 Topics in Computing

Your class will be held at our Spectrum Campus (9388 Lightwave Avenue San Diego, CA 92123) from 5:30pm Monday/Wednesday

Course Textbook: Planet 3 Wireless. (2006). CWSP Certified wireless Security Professional official study guide. (2nd ed.). McGraw-Hill. ISBN: 0-07-226320-2

Course Description: The course provides the fundamentals of the WLAN security technologies including: Wireless security principles, SOHO, SMB, Enterprise Layer 2 security, Wireless Protected Access (WPA), 802.11i Compliant Wireless Protected Access V2 (WPA2) , Wireless Attacks and vulnerabilities, Protocol Analysis, Wireless Intrusion detection and Prevention systems, Device Management Protocols, Layer 3 VPN security and general security policy. The course provides the basic preparation for the CWSP exam.

Learning Outcomes:

Upon successful completion of this course, the student will be able to:

- Demonstrate knowledge on implementation, troubleshooting and maintaining wireless security within any sized wireless network, small to enterprise..
- Demonstrate knowledge on hardware used to circumvent 802.11 security.
- Understand the processes involved in auditing.
- Understands use of 802.11 protocol analyzer based on its security features.
- Understand various authentication methods
- Recognizes and understands the various basic wireless security concepts.
- Describes various security infrastructure management protocols.
- Understands the purpose of various wireless LAN security

Course Requirements:

Students are expected to attend all class sessions, participate in all class activities, complete exams as scheduled, and turn in all assignments on time. Failure to do so may result in the loss of points or the lowering of one's grade.

Technology:

Access to National University Networking iLinc and course rooms.

Writing Across the Curriculum:
http://www3.nu.edu/schools/SOET/writing.html

Student Discipline and Plagiarism:
Plagiarism is the presentation of some one else's ideas or words as your own. A form of academic dishonesty, it carries potentially severe penalties, ranging from failing the assignment, failing the course, to expulsion from the university. You are responsible for the writing you submit at the university; you are accountable for representing the work of others fairly and accurately. Taking the words or ideas of someone and presenting them as our own, constitutes theft, whether you meant to plagiarize or not. See the catalog to see the university's policies in detail. To avoid

plagiarism, you must read, take notes and write carefully:
http://www3.nu.edu/schools/SOET/plagiarism.html

Attendance Procedures:
http://www3.nu.edu/schools/SOET/attendance.html

Library Resources:
National University Library supports academic rigor and student academic success by providing access to scholarly books and journals both electronically and in hard copy. Print materials may be accessed at the Library in San Diego or through document delivery for online and regional students. Librarians are available to provide training, reference assistance, and mentoring at the San Diego Library and virtually for online or regional students. Please take advantage of Library resources:
URL: www.nu.edu/library
Contact the Library:
ReDesk@nu.edu
(858) 541-7900 (direct line)
1-866-NU ACCESS x7900 (toll free)
Use the Library Training Tools (on the Library Homepage) for additional help
Recorded class presentations
Tutorials & Guides (APA/MLA, Peer-Review, and more)

APA Reference Guide:
http://www.apastyle.org/pubmanual.html

References:

CWNP (http://www.cwnp.com/cwsp/index.html)

Certification Magazine (http://www.certmag.com/articles/templates/cmag_feature.asp?articleid=981&zoneid=9)

Wi-Fi Planet (http://www.wi-fiplanet.com)

Cisco White Pages : http://www.cisco.com/un/products/hw/wireless/

ABOUT : (http://certification.about.com/)