

Business Value Penetration Testing – Summer 2009 Syllabus

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Text/Materials

1. Tiller, James S. The Ethical Hack – A Framework for Business Value Penetration Testing, pub Auerbach. ISBN 0-8493-1609-X
2. The instructor will provide (via Moodle) course notes that will constitute the course PowerPoint lectures.

Course Description

This 6 week course provides the student with a foundational knowledge of vulnerability assessment and penetration testing in a networked environment. The entire class will be conducted on-line using NUoodle and the NUACC IWar lab. This is not an academic university course and no university grade or quality points will be issued. Students, however, who complete the course with a passing grade (70%) and pass the final lab exercise (70%), will receive a certificate of successful completion.

Prerequisites

Permission of Instructor

Grading

There will be four types of activities, graded on a scale of 0%-100%, each of which will have equal weighting in the final grade:

- On-line discussions
- Quiz
- Lab Exercises
- Final Lab exercise

Class Policies

Class Participation: Part of your grade will be based on your participation in the on-line classroom and the on-line lab.

Assignments/Projects: You are required to keep a copy of every item that you submit to me for review or grading. If the assignment does not make it to me (i.e. lost in cyberspace), you need to have a backup.

Academic Dishonesty: Plagiarism and cheating are serious offenses and may be punished by failure on exam, paper or project, failure in course and/or expulsion from the University. For more information refer to the "Academic Dishonesty" policy in the University Undergraduate Catalog.

COURSE CALENDAR

The calendar is in weekly chunks so you can complete the assignments on your schedule within the week. Assignments are due at the end of the week, however.

DATE	TOPIC	LECTURE	ASSIGNMENTS
Week 1 – 7 June	Preparation and Background	1	Text: Ch 2, 3 and 6 NUoodle Discussion
Week 2 – 14 June	Planning	2	Text Ch7, Lab1: Tool Familiarity
Week 3 – 21 June	Preliminaries	3	Text Ch 9, 10, Lab 2: Enumeration & Footprinting with NMap Quiz Covers weeks 1 & 2
Week 4 – 28 June	Vulnerability Analysis	4	Text Ch 11, Lab 3: Vulnerability Analysis with Nessus NUoodle Discussion
Week 5 – 5 July	Exploitation & Deliverables	5	Text Ch 12, 13, 14, Lab 4: Penetration Testing with Core Impact
Week 6 – 12 July	Final Project (due 18 July)	None	Final Lab Exercise