Course Information:

Course # - Course Title: NWIT246 – Attacker Tools and Techniques
Course Format: Lectures, discussions, weekly labs, team exercises
Class Day/Time:
Semester Period:
Location:

Instructor Contact Information:

Name:
Email:
Physical Office Hours:
Virtual Office Hours:

Montgomery College Course Description:

Focuses on methods attackers use to successfully compromise target networks. Students learn how attackers perform initial reconnaissance and footprinting and then move on to scanning and eventual exploitation. This course approaches security from the hacker's perspective.

Common Course Student Learning Outcomes

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

- Describe common OS and application vulnerabilities.
- Identify malware that can infect a network.
- Utilize tools for scanning and sniffing.
- Conduct vulnerability scanning in order to identify vulnerabilities and determine exploitation strategies of various systems and applications using a careful and well written documented methodology.
- Identify tools to bypass a firewall.
- Identify the different operating systems available on mobile devices and the vulnerabilities of each.
- Describe various USB devices and explain common attacks and hacking and security tools for USB's.
- Evaluate various pen-testing tools.

Required Materials:

Textbook: Ethical Hacker Pro – English 1.0.ISBN: 978-1-935080-69-5.

Lab Manual: The instructor will also provide instructions for weekly hands-on.

Lab Use: Yes

MC Bookstore: http://www.montgomerycollege.edu/bookstore

Evaluation:

Graded Hands-On Labs	20 Points
Hands-On Quizzes	40 Points
Midterm Exam	20 Points
Final Exam	20 Points
Total Available Points	100 Points

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