



Course Information:

Course # - Course Title: NWIT275 – Wireless Security
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:

An examination of wireless security problems to include the different techniques and software used by those who want unauthorized access to a network or computer, what security methodology exists, and what equipment and software are available for wireless security. Students work in teams as network administrators trying to protect the system or as individuals attempting to penetrate the system either overtly or covertly.

Common Course Student Learning Outcomes

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

- Analyze Local and Wide Area Networks including the Internet.
- Interpret network vulnerabilities.
- Evaluate various network countermeasures.
- Analyze network operations risks.
- Conduct network penetration tests.
- Implement network countermeasures.

Required Materials:

Textbook: G Hacking Wireless Networks: The Ultimate Hands-on Guide, Andreas Kolokithas ISBN-13: 978-1508476344, ISBN-10: 1508476349.

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

Lab Use: Yes

Hardware: Yes

- Wireless adapter that supports monitor mode
- Removable storage device (for copies of VMs)

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

Evaluation:

Graded Hands-On Labs.....	20 Points
Hands-On Quizzes	40 Points
Midterm and Final Exams	40 Points
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Total Available Points	100 Points

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