

# CS 332: Ethical Hacking

Spring 2019

## Contact Information

**Instructor:** Jidong Xiao

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**Office:** CCP 250

**Office Hours:** Tuesday: 3pm-5pm, or by appointment.

**Class website:** <http://cs.boisestate.edu/~jxiao/cs332/>

## Catalog Description

**CS 332 Ethical Hacking (3-0-3)(F/S).** Study of fundamental hacking techniques. Topics include information gathering, target enumeration, network sniffing, vulnerability assessment, remote exploitation, social engineering, and web hacking. PREREQ: CS 252 or CS 253. PREREQ for ITM majors and minors: ITM 225 and PRE/COREQ: ITM 455.

## Goals

By taking this course, a student will be able to:

- describe common network and computer attacks,
- describe the purpose of port scanning and enumeration,
- explain and exploit most common web vulnerabilities,
- explain security threats existing in embedded operating systems,
- understand and explain mobile device security problems and basic hacking techniques,
- understand and explain wireless network security problems and wireless hacking techniques.

## Textbook

Hands-On Ethical Hacking and Network Defense, by Michael T. Simpson; 3rd edition.

## Topics

- Network and Computer Attacks.
- Footprinting and Social Engineering.
- Port Scanning.
- Enumeration.
- Web Hacking.
- Wireless Network Hacking.

## Grading

- Lab Assignments [20%]
- Quizzes [30%]
- Mid-term Examination [30%]
- Final Examination [20%]

## Exams and Quizzes

- Final: Monday, May 6, 7:30 p.m.-9:30 p.m.
- All lab assignment, quizzes and mid-term exam will be in-class.

## Disability Office

Students with disabilities needing accommodations to fully participate in this class should contact the Disability Resource Center (DRC). All accommodations must be approved through the DRC prior to being implemented. To learn more about the accommodation process, visit the DRCs website <http://drc.boisestate.edu>

## Building Safety

Knowing how to behave in an emergency situation is important for students. Please review CCP Building Safety Document at <http://coen.boisestate.edu/cs/safetydocument>