

CSC206 – Cybersecurity Scripting

Syllabus

The class syllabus can be found [here](#)

Office Hours

Office hours are posted [here](#)

Textbooks

[Black Hat Python](#)

[Gray Hat Python](#)

Class Schedule – (*tentative*)

Lectures:

TR 4:00p – 5:15p

Week	Tuesday	Thursday
1	Introduction, Lab Environment Setup – (<i>VM's and Kali Sticks</i>)	
2	Networking Basics	
3	Sockets and Sniffing	
4	Lab Day: Work on finishing up network sniffer	DerbyCon – Security Conference Assignment: Read over the Scapy Documentation
5	Scapy	
6	Team Project Introduction: Write a custom network security utility (<i>offensive, defensive</i>) from scratch using Python and Scapy (<i>Note: This project will count as your Final Exam! More details will be provided.</i>)	

7	October Break	Team Project Proposals: Fill in the rest of class regarding the details of your proposed project. <i>(Short Presentation)</i> PROJECT PROPOSALS DUE! <i>(This is your Midterm Exam!)</i>
8	Web Hacking With Python	
9	Extending Existing Utilities – <i>(Burp)</i>	
10	Command and Control	
11	Trojans	
12	Project Work Week	
13	Project Work Week	Thanksgiving Break
14	Linux Log File Analysis	
15	Project Wrap Up Week! – <i>(Finish up your project and documentation)</i>	
16	Final Exam Week: Demo your custom networking utility to the class.	

Homework:

Homework assignment drop boxes will be posted in [Engage](#). All homework assignments are due the following week after they are assigned by Friday @ 11:55 pm.

Plagiarism & Cheating

Plagiarism and cheating are not tolerated in any of my courses. If you are caught performing any form of academic misconduct in this class appropriate action will be taken and you will be removed from the course as well as receive an 'F for cheating' grade on your transcript.

Links

[Scapy Documentation](#)

[Unix Command Summary Sheet](#) – *(Grab a printed copy outside of my office!)*

[Hackers: The Internet's Immune System](#)

[Over the Wire – Bandit Labs](#)

[The Hacker Manifesto – a.k.a. The Conscience of a Hacker](#)