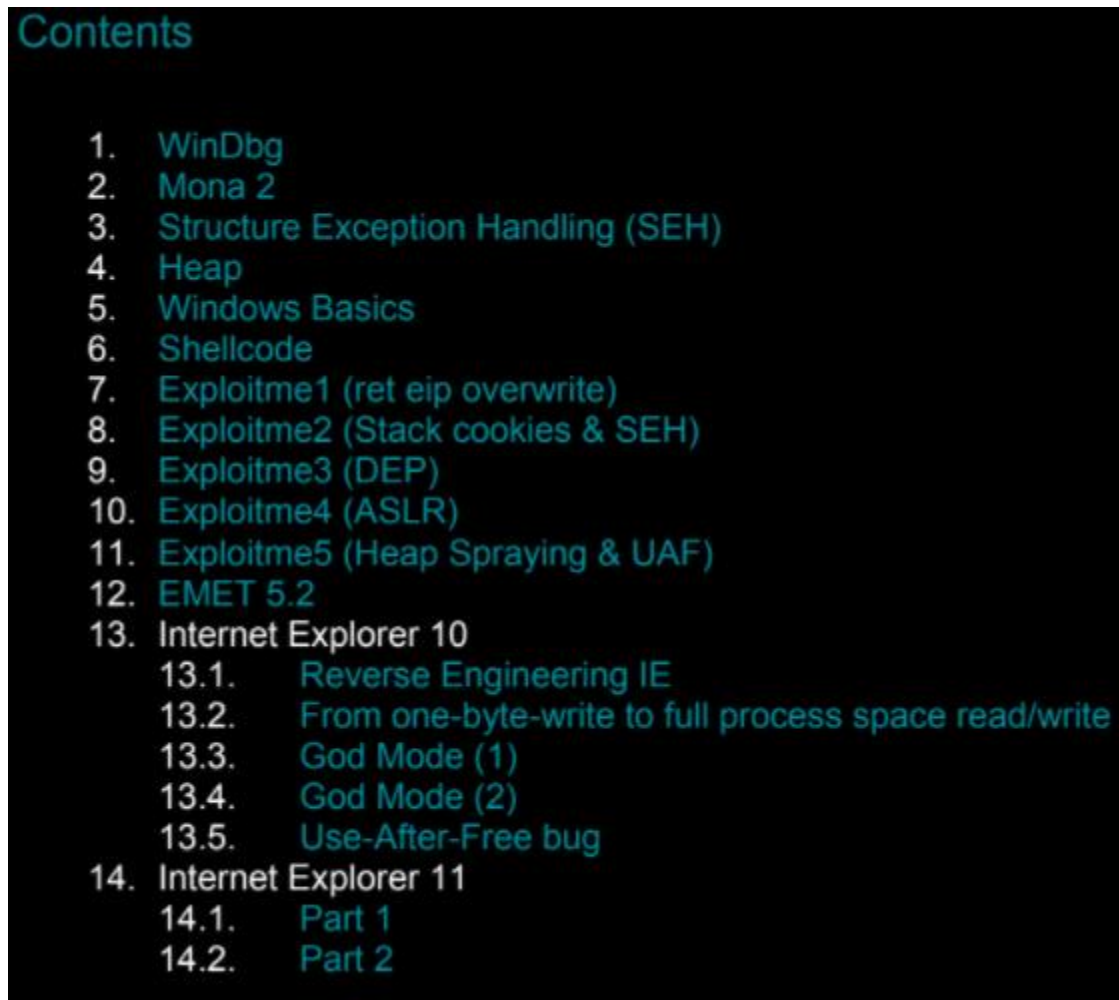


Windows Exploit Development

Books

- Modern Windows Exploit Development

16-week Study plan



Contents	
1.	WinDbg
2.	Mona 2
3.	Structure Exception Handling (SEH)
4.	Heap
5.	Windows Basics
6.	Shellcode
7.	Exploitme1 (ret eip overwrite)
8.	Exploitme2 (Stack cookies & SEH)
9.	Exploitme3 (DEP)
10.	Exploitme4 (ASLR)
11.	Exploitme5 (Heap Spraying & UAF)
12.	EMET 5.2
13.	Internet Explorer 10
13.1.	Reverse Engineering IE
13.2.	From one-byte-write to full process space read/write
13.3.	God Mode (1)
13.4.	God Mode (2)
13.5.	Use-After-Free bug
14.	Internet Explorer 11
14.1.	Part 1
14.2.	Part 2

Basically, rush through the first 6 chapters in 6 weeks. Then the next 10 weeks are doing the rest of the chapters. I will produce each type of exploit: stack, heap, and ones bypassing DEP&ASLR with detailed procedures to all of them. I can give an oral presentation on how you might go about doing these things at the end of the year. I will work on this course 2 hours per day during the week and have bi-weekly status reports with you. I'll explain: what i've learned, accomplished, and what I could be doing better.

Outcomes

- Proficient debugging skills in WinDBG and mona
- The ability to find and exploit following vulnerabilities: stack overflow, heap overflow, string, integer, and file vulnerabilities while bypassing DEP, ASLR, and SEH
- Use Sonarlint and sonarqube to see if these catch all vulnerabilities
- Strong oral/verbal communication skills in doing the above processes