

CS212 Assembler & Reverse Engineering Spring 2017 SYLLABUS

Prof M. E. Kabay, PhD, CISSP-ISSMP

Office: Dewey 209 / Tel. 479-7937 / Skype: mekabay / <mailto:mkabay@norwich.edu>

MWF | 212A 10:00:03-10:49:57 DEWEY 206 | 212B 11:00:03-11:49:57 DEWEY 211

TEXTS: A = Detmer: 80x86 Assembly Lang & Comp Arch.

P = Dang, Gazet & Bachaalany: *Practical Reverse Engineering*

Wk	Date	#	Chapter (A/P)	TOPICS
1	Mon	16-Jan		Why Study Assembler & Class Overview
	Wed	18-Jan	A1	Representing Data in a Computer (review of CS100 & CS140)
	Fri	20-Jan	A2	Parts of a Computer System (review of CS100 & CS140)
2	Mon	23-Jan	A3	Elements of Assembly Language
	Wed	25-Jan		
	Fri	27-Jan		
3	Mon	30-Jan	A4	Basic Instructions (1)
	Wed	1-Feb		
	Fri	3-Feb		
4	Mon	6-Feb	A4	Basic Instructions (2)
	Wed	8-Feb		
	Fri	10-Feb		
5	Mon	13-Feb	WEEK OFF; NO CLASSES	
	Wed	15-Feb		
	Fri	17-Feb		
6	Mon	20-Feb	A5	Branching & Looping
	Wed	22-Feb		
	Fri	24-Feb		
7	Mon	27-Feb	A6	Procedures
	Wed	1-Mar		
	Fri	3-Mar		
8	Mon	6-Mar	WEEK OFF; NO CLASSES	
	Wed	8-Mar		
	Fri	10-Mar		
	Mon	13-Mar	MID-SEMESTER BREAK	
	Wed	15-Mar		
	Fri	17-Mar		
9	Mon	20-Mar		Why Study Reverse Engineering & Class Overview
	Wed	22-Mar	P1	x86 & x64
	Fri	24-Mar		
10	Mon	27-Mar		
	Wed	29-Mar		
	Fri	31-Mar		
11	Mon	3-Apr	P3	Windows Kernel
	Wed	5-Apr		
	Fri	7-Apr		
12	Mon	10-Apr	WEEK OFF; NO CLASSES	
	Wed	12-Apr		
	Fri	14-Apr		
13	Mon	17-Apr	P5	Obfuscation
	Wed	19-Apr		
	Fri	21-Apr		
14	Mon	24-Apr	WEEK OFF; NO CLASSES	
	Wed	26-Apr		
	Fri	28-Apr		
15	Mon	1-May	WEEK OFF; NO CLASSES: FINISH EVERYTHING INCLUDING FINAL EXAMS	
	Wed	3-May		
	Fri	5-May		
FINAL EXAM TIME & DATE TBD BY REGISTRAR				