INFO-2600 CyberSecurity Essentials, William A Loring

Week	Qty	Pre class work: Assignment	min.	In class work: Assignment	min.	After class work: Assignment	min.	Points	In class hours	Out of class hours	Total	Weekly total
Week 1		**Module 1 Introduction to Information Security**		Class: Face to Face, Live Streaming, or Recording	120	Read Getting Started Information	30		2.40	0.60	3.00	
	40	Read Module	19 126.32	Getting Started Discussion	15				0.30	2.53	2.83	
						Professional Communication	30	30	-	0.60	0.60	
						Windows 11 Virtualization	60	40	-	1.20	1.20	
						Live Virtual Machine Lab Pre-Requisite	30	40	-	0.60	0.60	
						CompTIA Security+ SYO-701 Pre-Assessment Quiz	30	50	-	0.60	0.60	
									-	-	-	
									-	-	-	
						Module 1 Quiz	30	30	-	0.60	0.60	
									-	-	-	
						Total			2.70	6.73	9.43	9.43
Week 2		**Module 2 Pervasive Attack Surfaces and Controls**		Class: Face to Face, Live Streaming, or Recording	120	Simulation 2-1: Exploring the National Vulnerabilities Database	30	30	2.40	0.60	3.00	
	40	Read Module	19 126.32			Kali Linux Virtualization	60	40	-	3.73	3.73	
						Examine Data Breaches	30	30	-	0.60	0.60	
						Are You a Victim?	30	30	-	0.60	0.60	
						Phishing Test	30	30	-	0.60	0.60	
									-	-	-	
						Module 2 Quiz	30	30	-	0.60	0.60	
						Total			2.40	6.73	9.13	9.13
Week 3		**Module 3 Fundamentals of Cryptography**		Class: Face to Face, Live Streaming, or Recording	120	Simulation 3-1: Using OpenPuff Steganography	30	30	2.40	0.60	3.00	
	40	Read Module	19 126.32			Simulation 3-2: Running an RSA Cipher Demonstration	30	30	-	3.13	3.13	
						SSL Server and Client Tests	30	20	-	0.60	0.60	
						Digital Certificates	30	20	-	0.60	0.60	
									-	-	-	
									-	-	-	
						Stenography with SilentEye	30	30	-	0.60	0.60	
						Encrypting Files	30	30	-	0.60	0.60	
						Module 3 Quiz	30	30	-	0.60	0.60	
									-	-	-	
						Total			2.40	6.73	9.13	9.13
Week 4		**Module 4 Advanced Cryptography**		Class: Face to Face, Live Streaming, or Recording	120	Simulation 4-2: Creating and Installing a Digital Certificate	30	30	2.40	0.60	3.00	
	40	Read Module	19 126.32	Exit Ticket Discussion	15	QR Codes	30	20	0.30	3.13	3.43	
						Hashcat Password Testing	60	60	-	1.20	1.20	
									-	-	-	
						Netdiscover	30	30	-	0.60	0.60	
									-	-	-	
						Module 4 Quiz	30	30	-	0.60	0.60	
									-	-	-	
									-	-	-	
						Total			2.70	6.13	8.83	8.83
Week 5		**Module 5 Endpoint Vulnerabilities, Attacks, and Defenses**		Class: Face to Face, Live Streaming, or Recording	120	Simulation 5-1: Downloading and Running Microsoft Safety Scanner	30	30	2.40	0.60	3.00	
	40	Read Module	19 126.32			Simulation 5-2: Analyzing Files and URLs for File-Based Viruses Using VirusTotal	30	30	-	3.13	3.13	
									-	-	-	
						ZenMap Enumerate a Network with Kali	60	60	-	1.20	1.20	
									-	-	-	
						Ransomware Sites	30	30	-	0.60	0.60	
									-	-	-	
									-	-	-	

Week													
							Module 5 Quiz	30	30	-	0.60	0.60	
										-	-	-	
										-	-	-	
							Total			**2.40**	**6.13**	**8.53**	**8.53**
Week 6		**Module 6 Mobile and Embedded Security**			Class: Face to Face, Live Streaming, or Recording	120				2.40	-	2.40	
	40	Read Module	19	126.32	Schneier on Security Discussion	15	Linux System Monitoring with top	30	20	0.30	3.13	3.43	
							Multifactor Authentication	60	60	-	1.20	1.20	
										-	-	-	
										-	-	-	
										-	-	-	
										-	-	-	
							Module 6 Quiz	30	30	-	0.60	0.60	
							Semester Project	60	100	-	1.20	1.20	
							Total			**2.70**	**6.13**	**8.83**	**8.83**
Week 7		**Module 7 Identity and Access Management (IAM)**			Class: Face to Face, Live Streaming, or Recording	120	Simulation 7-1: Using an Online Password Cracker	30	30	2.40	0.60	3.00	
	40	Read Module	19	126.32			Simulation 7-2: Using a Password Manager Application	30	30	-	3.13	3.13	
										-	-	-	
							MAC Address Spoofing with Windows	30	20	-	0.60	0.60	
							MAC Address Spoofing with Kali Linux	30	20	-	0.60	0.60	
							Zphisher Phishing Tutorial	30	20	-	0.60	0.60	
										-	-	-	
										-	-	-	
							Module 7 Quiz	30	30	-	0.60	0.60	
							Semester Project	60	100	-	1.20	1.20	
							Total			**2.40**	**7.33**	**9.73**	**9.73**
Week 8		**Module 8 Infrastructure Threats and Security Monitoring**			Class: Face to Face, Live Streaming, or Recording	120				2.40	-	2.40	
	40	Read Module	19	126.32						-	2.53	2.53	
							Sentiment Analysis	30	30	-	0.60	0.60	
							Hping3 IP Address Spoofing	60	40	-	1.20	1.20	
							Disaster Recovery Plan	30	30	-	0.60	0.60	
										-	-	-	
							Pentbox Honeypot	60	60	-	1.20	1.20	
										-	-	-	
							Semester Project	60	100	-	1.20	1.20	
							Module 8 Quiz	30	30	-	0.60	0.60	
							Total			**2.40**	**7.93**	**10.33**	**10.33**
Week 9		**Module 9 Infrastructure Security**			Class: Face to Face, Live Streaming, or Recording	120	Simulation 9-1: Using GlassWire Firewall	30	30	2.40	0.60	3.00	
	40	Read Module	19	126.32						-	2.53	2.53	
		Fall Break					Keylogger	60	40	-	1.20	1.20	
										-	-	-	
							Wireless Router Configuration	30	30	-	0.60	0.60	
										-	-	-	
							Semester Project	60	100	-	1.20	1.20	
							Module 9 Quiz	30	30	-	0.60	0.60	
										-	-	-	
							Total			**2.40**	**6.73**	**9.13**	**9.13**
Week 10		**Module 10 Wireless Network Attacks and Defenses**			Class: Face to Face, Live Streaming, or Recording	120				2.40	-	2.40	
	40	Read Module	19	126.32	The Social Dilemma Discussion	15				0.30	2.53	2.83	
							Wireless Network Scanning	60	60	-	1.20	1.20	
							Hosts File Attack	30	30	-	0.60	0.60	
							ARP Poisoning	20	20	-	0.40	0.40	
										-	-	-	

Week														
Week							Browser Passwords	30	20	-	0.60	0.60	
										-			
							Module 10 Quiz	30	30	-	0.60	0.60	
							Semester Project	60	100	-	1.20	1.20	
										-	-	-	
										-	-	-	
							Total			**2.70**	**7.13**	**9.83**	**9.83**
Week 11		**Module 11 Cloud and Virtualization Security**			Class: Face to Face, Live Streaming, or Recording	120				2.40	-	2.40	
	40	Read Module	19	126.32						-	2.53	2.53	
							Online Backup Services	30	30	-	0.60	0.60	
							TryHackMe	90	60	-	1.80	1.80	
							Linkedin	15	20	-	0.30	0.30	
										-	-	-	
										-	-	-	
							Module 11 Quiz	30	30	-	0.60	0.60	
							Semester Project	60	100	-	1.20	1.20	
										-	-	-	
							Total			**2.40**	**7.03**	**9.43**	**9.43**
Week 12		**Module 12 Vulnerability Management**			Class: Face to Face, Live Streaming, or Recording	120				2.40	-	2.40	
	40	Read Module	19	126.32	Think Aloud	15	Common Vulnerabilities and Exposures (CVE)	30	30	0.30	3.13	3.43	
							National Vulnerabilities Database (NVD)	30	30	-	0.60	0.60	
										-	-	-	
										-	-	-	
							Labex.io Part 1	60	60	-	1.20	1.20	
										-	-	-	
										-	-	-	
										-	-	-	
							Module 12 Quiz	30	15	-	0.60	0.60	
							Semester Project	60	100	-	1.20	1.20	
										-	-	-	
							Total			**2.70**	**6.73**	**9.43**	**9.43**
Week 13		**Module 13 Incident Preparation and Investigation**			Class: Face to Face, Live Streaming, or Recording	120	Simulation 13-1: Using Windows File History to Perform Data Backups	30	30	2.40	0.60	3.00	
	40	Read Module	19	126.32						-	2.53	2.53	
										-	-	-	
							Password Management Program	30	30	-	0.60	0.60	
							Password Strength Testing	15	15	-	0.30	0.30	
							nmap Network Enumeration	60	40	-	1.20	1.20	
										-	-	-	
										-	-	-	
										-	-	-	
							Semester Project	60	100	-	1.20	1.20	
							Module 13 Quiz	30	40	-	0.60	0.60	
										-	-	-	
							Total			**2.40**	**7.03**	**9.43**	**9.43**
Week 14		**Module 14 Oversight and Operations**			Class: Face to Face, Live Streaming, or Recording	120	Simulation 14-1: Using a Nonpersistent Web Browser	30	30	2.40	0.60	3.00	
	40	Read Module	19	126.32			Simulation 14-2: Local Security Policy	30	30	-	3.13	3.13	
										-	-	-	
							Password Cracker Online	20	20	-	0.40	0.40	
							Online Backup Services	30	30	-	0.60	0.60	
										-	-	-	
							Greenbone Vulnerability Scanner	120	90	-	2.40	2.40	
							Module 14 Quiz	30	30	-	0.60	0.60	
										-	-	-	

Week								In	Out	Total	
								-	-	-	
							Total	2.40	7.73	10.13	10.13
Week 15		Module 15 Information Security Management			Class: Face to Face, Live Streaming, or Recording	120		2.40	-	2.40	
	40	Read Module	19	126.32	Lessons Learned Discussion	15		0.30	2.53	2.83	
		Thanksgiving						-	-	-	
								-	-	-	
								-	-	-	
								-	-	-	
								-	-	-	
					Semester Project Final Presentation	120	200	-	2.40	2.40	
							Total	2.70	4.93	7.63	7.63
Week 16		Module 15 Information Security Management						-	-	-	
					Semester Project PowerPoint Discussi	15	Knowledge Check: CompTIA Security+ (SY0-701) Post-Assessment Quiz	120	120	0.30	2.40	2.70
							Annual Credit Report	15	15	-	0.30	0.30
							Suritaca IDS IPS	60	40	-	1.20	1.20
								-	-	-	
								-	-	-	
								-	-	-	
							Total	0.30	3.90	4.20	4.20
								In	Out	Total	
							Grand Totals	38.10	104.99	143.09	
									Average	8.94	