

Topics	Sub Topics	Estimated Time in Hrs
Introduction to Security Testing		0.5
	Brief history, Examples	
	Need for security testing	
	Work profile, Career opp	
	Skill requirement	
Basics of HTTP		2
	HTTP Protocol	
	Cookies	
	Query parameters	
Introduction to tools		1
	HTTPfox	
	TamperFox	
	Firebug	
Planning Security Testing		3
	Threat Modeling	
	Finding Entry Points - Files	
	Finding Entry Points - Sockets	
	Finding Entry Points - HTTP Requests	
	Finding Entry Points - Server Responses	
	Finding Entry Points - UI	
	Finding Entry Points - SQL	
	Finding Entry Points - Email	
	Finding Entry Points - Command Line	
	Estimation	
Passive Analysis		1
	Information Disclosure	
	Weak Permissions	
	Social Engineering	
	Log Analysis	
	Error / Exception Analysis	

Authentication Testing		1
	Credential Transport	
	User Enumeration	
	Dictionary Accounts	
	Brute Force	
	Vulnerable Password recovery	
	Log out	
	Cache	
Authorization Testing		0.5
	Path Traversal	
	Bypass authorization	
	Privilege Escalation	
Session Management Testing		1
	Cookies	
	Session Fixation	
	Exposed Session Variables	
	Demo	
	Exercise	
SQL Injection		3
	Example	
	Potential threat	
	Attack Technique	
	Black box testing strategy	
	Demo	
	Exercise	
Other Injections		2
	XML	
	LDAP	
	Xpath	
	IMAP	
	Code	
	HTML	
Cross Site Scripting		2
	Example	
	Types: Reflected, Persistent	
	Potential threat	
	Attack Technique	
	Black box testing strategy	

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	Demo	
	Exercise	
Cross Site Request Forgery		0.5
Canonicalization		0.5
	File Based	
	Web Based	
Buffer Overflow		1
	Stack	
	Integer	
	Heap	
Denial Of Service		1
	Locking	
	I/O	
	SQL WildCard attacks	
Security Testing Resources		0.5
Planned Total hours		20.5
Buffer		3.5
Total		24

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