

Ethical Hacking/Penetration Testing		Topical Outline
<ul style="list-style-type: none"> • Understand industry regulations and certification programs • Understand the different types of testing available • White box vs. Black box testing • Use some of the tools for assessment • Use some of the tools for testing 		<p>Introduction</p> <ul style="list-style-type: none"> ➤ What is penetration testing <p>Rules of Engagement</p> <ul style="list-style-type: none"> ➤ Obtaining Permission ➤ Internal vs. External attacks <p>Information Gathering</p> <ul style="list-style-type: none"> ➤ Scanning ➤ Packet sniffing <p>Vulnerabilities to attack</p> <ul style="list-style-type: none"> ➤ Kernel Flaws ➤ Social Engineering and Physical Security ➤ Password Cracking <p>Client-Side Penetration Testing</p> <ul style="list-style-type: none"> ➤ Information Theft ➤ Tunneling ➤ Windows and Linux specific Attacks <p>Server-Side Penetration Testing</p> <ul style="list-style-type: none"> ➤ Spoofing ➤ Denial of Service ➤ Attacking of Wireless LAN <p>Internet-based Application Hacking</p> <ul style="list-style-type: none"> ➤ Form and URL Manipulation ➤ Session Hijacking ➤ Password Theft <p>Detection and Evasion</p> <ul style="list-style-type: none"> ➤ Intrusion Detection Systems (IDS) ➤ Methods of Evasion
<p>Description</p> <p>Penetration testing is a method of evaluating the security of a computer system or network by simulating an attack by a malicious hacker. This two-day hands course provides an overview of concepts and tools used with ethical hacking and penetration testing to help you identify threats facing your organization and determine the level of testing required for your organization.</p>	<p>Audience, Prerequisites</p> <p>The course is intended for testers, analysts, engineers, technical and functional managers who need to develop knowledge of ethical hacking and penetration testing to support their testing efforts.</p> <p>Course length: 2 days</p> <p>Course format: lecture plus individual and group exercises and discussions.</p>	