

## COURSE OUTLINE

# ETHICAL HACKING

## Hacking Insight for Managers (HIM)



AWARNESS-LEVEL COURSE

Cost: £599 + VAT

Duration: 1 day

This one-day awareness course is for people who need a high-level understanding of hacking rather than practical know-how. It introduces the basic technical concepts behind the various stages of a hacking attack, as well as some common tools used by hackers and security professionals.

### COURSE OVERVIEW

Assuming no prior information security knowledge, the course is ideally suited to anyone requiring a high-level understanding of techniques and current trends used in hacking without the need for practical know-how. Examples are drawn from real-world breaches to show how lapses in security have resulted in high-profile damage to organisations and customers.

This is a multimedia theory-based course with group discussions. Should there be time and interest, there is also the opportunity to join a guided “hack lab”, in which you can try your hand at some simple web application attacks (Wi-Fi enabled device required).

### THE SKILLS YOU WILL LEARN

- You will gain an insight into the mindset and motivation of hackers, and learn how they infiltrate organisations and the damage that can follow
- You will find out how organisations are exposed through the various routes of attack, including the internet, employees, social engineering, emails and wireless
- You will learn about the security lapses behind a number of real-world, high-profile attacks
- You will have the chance to try your hand at some simple web application attacks in our ‘hack lab’

### KEY BENEFITS

On this course, you will:

- Gain an understanding of IT security from an attacker’s perspective
- Be able to evaluate the possible risks to your business from hackers
- Understand the principles of how to defend your organisation effectively from the risk of attack

### WHO SHOULD ATTEND

Anyone interested in understanding the risks that hackers pose, including:

- IT managers
- Systems analysts
- IT security professionals and auditors
- Security officers and data protection representatives

For a course with more hands-on technical content, delegates should consider 7Safe’s CSTA and CSTP courses.

### PREREQUISITES

- No information security knowledge is needed, just basic computer literacy
- We recommend you read up on the concept of domain names and IP addresses before the course
- Bring with you a Wi-Fi enabled device to join the ‘hack lab’ exercise (e.g. laptop or tablet)

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*“Excellent instruction;  
clear and concise  
overview, perfect for  
non-specialists.”*

**HIM Delegate**  
**PA Consulting Group**

### SYLLABUS

1. Introduction – terminology, motivations, the lie of the land, methodology
2. Information gathering – from harvesting open-source information to social engineering
3. Target scanning, including port scanning
4. Vulnerability assessment, including the threat from client-side software
5. Exploitation, including attack pivoting
6. Privilege escalation, including password attacks
7. Retaining access, including botnets
8. Covering tracks
9. Team exercise – incident handling scenario
10. Web application attacks – threats, OWASP Top Ten
11. SQL injection
12. Conclusion – trends
13. Hack lab – practical attack scenarios

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