

## Ethical Hacking & Penetration Testing

### Teaching Plan

Date / Schedule	Learning Activities
Session 1	Module 1 - Introduction to Ethical Hacking Module 2 - Footprinting and Reconnaissance Module 3 - Scanning Networks
Session 2	Module 4 - Enumeration Module 5 - Vulnerability Analysis Module 6 – System Hacking Module 16 – Hacking Wireless Network
Session 3	Module 7 - Malware Threats Module 8 - Sniffing Module 9 - Social Engineering Module 10 – Denial Of Service
Session 4	Module 11 – Session Hijacking Module 12 - Evading IDS, Firewalls, and Honeypots Module 13 – Hacking Web Servers Module 14 – Hacking Web Applications Module 15 – SQL Injection
Session 5	Module 17 - Hacking Mobile Platforms Module 18 – IoT-OT Hacking Module 19 – Cloud Computing Module 20 - Cryptography

### Assessment Plan

Components	Breakdown	Due Date
Quizzes	Quiz 1	To be conducted in Session 2 during class time. Scope: Session 1 materials.
	Quiz 2	To be conducted in Session 4 during class time. Scope: Session 3 materials.
Practical Test	Test 1	To be conducted in Session 3 during class time. Scope: Session 2 lab exercises.
	Test 2	To be conducted in Session 5 during class time. Scope: Session 4 lab exercises.