

## CSCH 453 - Ethical Hacking

### UNIT I

Introduction to Ethical Hacking, Footprinting & Reconnaissance, Scanning Networks, Enumeration, Vulnerability Analysis. (16 hours)

### UNIT II

System Hacking, Malware Threats, Sniffing, Social Engineering, Denial-of-Services, Session Hijacking, Evading IDS, Firewall & Honeypots. (16 hours)

### UNIT III

Hacking Web Servers, Hacking Web Applications, SQL Injection, Hacking Wireless Networks, Hacking Mobile Platforms, IoT Hacking, Cloud Computing. (16 hours)

#### TextBooks:

- (1). "CEH V10 EC-Council Certified Ethical Hacker", Nouman Ahmed Khan, Abubakar Saeed, Muhammad Yousuf
- (2). "CEH v10 TM Certified Ethical Hacker Study Guide", Ric Messier, Sybex, 2019
- (3). "Hack proofing your network ", Ryan Russell, Syngress, 2002
- (4). "Network and System Security", John R. Vacca, Syngress, 2010