

**United International University**  
**Cisco Networking Academy**  
**Online Course Name: Cybersecurity for Engineers**

| Lecture   | Date and Time                             | Lecture Topic  |
|-----------|---|--|
| Lecture-0 | 1 <sup>st</sup> Aug 2023<br>Tue, 8:00 pm  | Test Class & Introduce with Webex  |
| Lecture-1 | 3 <sup>rd</sup> Aug 2023<br>Thu, 8:00 pm  | LAB Set-ups and Active Cisco ID<br>Enrol the Course  |
| Lecture-2 | 5 <sup>th</sup> Aug 2023<br>Sat, 8:00 pm  | Introduction to Cybersecurity<br>LAB: HTTP and HTTPs and Analysis with Wireshark                             |
| Lecture-3 | 6 <sup>th</sup> Aug 2023<br>Sun, 8:00 pm  | A World of Experts and Criminals<br>LAB: Wireshark and M-in-M Attack (ARP)                                   |
| Lecture-4 | 8 <sup>th</sup> Aug 2023<br>Tue, 8:00 pm  | The Cybersecurity Cube<br>LAB: Data and Data Privacy   |
| Lecture-5 | 10 <sup>th</sup> Aug 2023<br>Thu, 8:00 pm | The Art of Protecting Secrets<br>LAB: Data and Data Privacy  |
| Lecture-6 | 12 <sup>th</sup> Aug 2023<br>Sat, 8:00 pm | The Art of Ensuring Integrity<br>Lab: Simple Password Crack (Brute Force Attack)                             |
| Lecture-7 | 13 <sup>th</sup> Aug 2023<br>Sun, 8:00 pm | Cybersecurity Threats, Vulnerabilities, and Attacks<br>LAB: Detecting Threats and Vulnerabilities using NMAP |
| Lecture-8 | 17 <sup>th</sup> Aug 2023<br>Thu, 8:00pm  | Gaining Access using Metasploitable Framework<br>LAB: Exploit the FTP Backdoor and Samba<br>Exam Start Day   |
| Lecture-9 | 24 <sup>th</sup> Aug 2023<br>Thu, 8:00pm  | Certificate and End of the Session   |