**Assessment Summary**

* Lab Assignment (8) - 1.875 each- Total 15%
* Quizzes (Duration 12 min) – Total 35%: (Best 7/9)
* Test 1 (Midterm) (Week 1- 5) - 15%
* Test 2 (Final Assessment) (Week 7-11) - 20%
* Assignment (A1 5 % and A2 -Group Assignment- 10%) – Total 15%

**Course Policies**

To obtain a credit in this subject, a student must:

* Achieve a grade of 50% or better on the final assessment
* Satisfactorily complete lab assignments and group assignment
* Achieve a weighted average of 50% or better for the tests and final assessment
* Achieve a grade of 50% or better on the overall course

**Semester - Winter 2022**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Week** | **Topic or Skill** | **Reading** | **Assessment** | **Weight** |
| **Week 1**  **January 10-14** | **Introduction** | **Lecture notes** | **Lab 1: DataComm\Networking Overview** | **1.875%** |
| **Week 2**  **January 17-21** | **Standards and TCP/IP Architecture** | **Lecture notes** | **Lab 2: Standard Organizations**  **Quiz 1** | **1.875%**    **5.0%** |
| **Week 3**  **January 24 –28** | **Physical Layer** | **Lecture notes** | **Lab 3 Packet Capturing**    **Quiz 2** | **1.875%**    **5.0%** |
| **Week 4**  **January 31- February 04** | **Data Link Layer** | **Lecture notes** | **Lab 4 Bit-Stuffing**    **Quiz 3** | **1.875%**    **5.0%** |
| **Week 5**  **February 07 - February 11** | **Internet Layer** | **Lecture notes** | **Lab 5 Into to Sockets**    **Quiz 4** | **1.875%**    **5.0%** |
| **Week 6**  **February 14 – February 18** | **Review**  **(Week 1-5)** | **Test 1 Review Notes** | **Quiz 5**    **Midterm**    **Assignment 1 Due February 20** | **5.0%**    **15%**    **5%** |
| **Week 7**  **February 21 – 25** | **Switching\Routing** | **Lecture notes** | **Lab 6 HTTP Web Server** | **1.875%** |
| **STUDY WEEK (February 28 – March 4)** | | | | |
| **Week 8**  **March 7 – 11** | **Ethernet Wired\Wireless Operation and Security** | **Lecture notes** | **Lab7 Password Cracking**    **Quiz 6** | **1.875%**      **5.0%** |
| **Week 9**  **March 14 – 18** | **Network Management\Security and Hacker Methodology and Attack** | **Lecture notes** | **Lab 8 Phishing Attacks**    **Quiz 7** | **1.875%**    **5.0%** |
| **Week 10**  **March 21 – 25** | **Application Security – A New Framework and the Best Design Practices** | **Lecture notes** | **Quiz 8** | **5.0%** |
| **Week 11**  **March 28 – April 1** | **Internet of Things (IoT)** | **Lecture notes** | **Quiz 9** | **5.0%** |
| **Week 12**  **April 4 – 8** | **Review** | **Test 2 Review Notes**  **(7-11)** |  | **5.0%** |
| **Week 13**  **April 11 – 15** | **Assignment** |  | **Assignment 2 Due**  **April 17** | **10%** |
| **Week 14**  **April 18 – 22** | **Final Assessment** |  | **Final Assessment** | **20%** |