Examination 1 covers the material of Topics 1, 2, 3, and 4 of the course outline.

Please review the assigned readings from the textbook along with the corresponding lecture notes and audio lectures as well as the assigned review questions and homework problems. Make sure that you understand the terminology and concepts introduced on each page of the lecture notes and can explain them in 1-3 sentences. The same is true for the meaning and use of all the fields of the LLC PDUs.

The format of the exam will be problems and definitions similar in style and complexity to the assigned review questions and homework problems.

There will be five problems on the exam covering the following areas:

1. Topic 1: Introduction to Local Area Networks
    - Key Terms
    - Review Questions
    - HW Problems

2. Topic 4: Traditional Ethernet
    - Key Terms
    - Review Questions
    - HW Problems

3. Topic 1: Transmission and Signaling
    - Data Transmission
    - Data Encoding
    - Digital Signals
    - Diagrams of Digital Signals of Encoded Digital Data

4. Topic 3: Logical Link Control
    - LLC Services
    - LLC Protocol
    - Key Terms
    - Review Questions
    - Detailed diagram of LLC PDU exchange

5. Topic 1, Topic 2, Topic 3, Topic 4: Terminology and Concepts
    - Key Terms
    - Review Questions
    - Definitions of terms and concepts