CISC3001：Computer Networks

Syllabus:

- Circuit Switching and Packet Switching
- Client-Server Model and Peer-to-Peer Model
- TCP/IP Layered Protocol
- Medium Access Control, Analysis of Slotted/Pure ALOHA Protocols
- CSMA/CD and CSMA/CA
- Error Detection and Cyclic Redundancy Check
- IP Protocol
- Routing Algorithms: Link-State Routing and Distance-Vector Routing
- TCP/UDP, TCP Congestion Control
- Principle of Reliable Data Transfer

Reference Textbook:
Computer Networking: A Top Down Approach
by J.F. Kurose and K.W. Ross
Chapter 1 to Chapter 6