Learning Guide Unit 6

## Overview

**Unit 6:  The Transport Layer (UDP)**

**Topics**

- Stop-and-Wait transport
- Sliding Windows
- User Datagram Protocol – UDP
- Quick UDP Internet Connections – QUIC
- Trivial File Transport Protocol – TFTP
- Fundamental Transport Issues
- Remote Procedure Call (RPC)

**Learning Outcomes**

1. Anticipate the issues that arise with a simple Stop-and-Wait file transfer protocol
2. Explain the problems associated with the Remote Procedure Call protocol
3. Provide the justification for the existence of UDP (versus direct use raw IP)
4. Identify QUIC's performance advantage over TCP based web server access

**Tasks**

- Peer Assessment Unit 5 Written Assignment
- Read through the Learning Guide and the Reading Assignment
- Complete the Discussion Assignment by posting in the Discussion Forum
- Respond to and rate three of your fellow classmates' posts in the Discussion Forum
- Complete and submit the Written Assignment
- Complete and submit the Learning Journal
- Take and submit the Self-Quiz
- Take and submit the Graded-Quiz