

W-94

**GRANDE PRAIRIE REGIONAL COLLEGE**  
**Department of Computer Systems Technology**  
**Course Outline**

**CT 1500 - DATA COMMUNICATION AND NETWORKING**

**INSTRUCTOR:** Sean Halliday

**OFFICE:** C201

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**PREREQUISITE:** CT 1385

**COURSE DESCRIPTION:** This course provides an introduction to computer communication and computer networks. Topics will include communication hardware and software, protocols, local area and wide area networks, and network management.

**EVALUATION:**

Assignments	35%
Mid-Term	25%
Final	40%

**COURSE OUTLINE:** Chapters Covered:

- Introduction to Data Communications
- Voice Communications
- Data Communication Hardware (Part 1)
- Data Communication Hardware (Part 2)
- Fundamental Communication Concepts
- Network Design Fundamentals
- Protocols and Software
- Microcomputers and Communications
- Local Area Networks (LAN)
- Network Management
- Network Security and Control