

# TDC 375

# Network Protocols

## Introduction

# TDC 375 Prerequisites

- TDC 365 Network Interconnection Technologies

*“A comprehensive study of network interconnection technologies including layer 2 bridges and switches, layer 3 routers and higher-layer gateways. The TCP and IP protocols will be studied in detail, including IP address management and router operations and management along with associated Internet protocols. RIP and OSPF protocols will be considered. Course includes laboratory work with protocol analyzers and router administration.”*

# TDC 375 per DePaul CDM

*“Advanced routing technologies, BGP protocols, multi-area routing protocols, network management protocols, Secure protocols, IP multicasting protocols.”*

- What is “advanced” routing technology?
- border gateway protocol protocols?
- Multi-area protocols, so all of IS-IS and OSPF?
- Secure protocols...so SSL/TLS/SSH/HTTPS?
- Seems like a continuation of 365 w/o the lab?
- Much left to interpretation, which I'll gladly do

# jtk's TDC 375 Geek Check

- Can you understand any of these statements?
  - I've exhausted this /24, I need more addresses.
  - My MAC address is 00:01:54:32:AC:59.
  - Download the pcap and pull it into Wireshark.
  - Find the RFC and see what it says.
  - Bridges are switches, L3 switches are routers.
  - The ARP cache entry timed out.
  - TCP port 23 is blocked by a packet filter firewall.
- If they're all Greek to you, prepare to struggle here.

# Administrivia

- <https://condor.depaul.edu/jkristof/tdc375/>
- <https://d2l.depaul.edu>
- Contact info, office hours, general availability
- Required and recommended texts
- syllabus.txt
- bonus.txt
- experts.txt
- whoami