

COE768: Computer Networks

- **Course Outline**

<http://www.ee.ryerson.ca/undergraduate/dcd/coe768.html>

- **Key Knowledge to Be Acquired**

Introduction of the concepts of network layer architecture and communication protocols, study and analysis of various networking technologies such as Data-link protocols (e.g. PPP), Local-Area Networks (e.g. Ethernet), WiFi and Internet (TCP/IP), fundamental network design based on the concepts of subnetting and supernetting.

- **Key Skills to Be Mastered**

Design and implementation of various network applications, from file transfer protocol (ftp) to Internet chatting, setting up a small internet by configuring networking devices such as routers and switches.

- **Potential Careers**

Network administrator, Network engineer, network designer, network application developer, IT manager.

- **Potential Employers**

Bell Canada, Rogers Communications Inc., Telus Canada, Sprint Canada, IBM, RIM, Internet Service Providers, banks and any companies that require IT infrastructure.

- **Graduate Studies**

Ryerson University, University of Toronto, University of Waterloo, Dalhousie University, University of Alberta, ...