

# ELE885 – Optical Communication Systems

- **Course Outline**

<http://www.ee.ryerson.ca/~courses/ele885>

- **Key Knowledge to Be Acquired**

Optical communication systems are everywhere. Student will understand fundamentals of optical communication systems, mainly single and multi mode fibers, Lasers and LED transmitters, PIN and APD receivers, design of basic fiber optic networks, SONET and WDM networks.

- **Key Skills to Be Mastered**

Good knowledge various aspects of optical communication systems using Matlab.

- **Potential Careers**

Optical communication systems engineers, engineers in other disciplines (VLSI, power systems, biomedical) who will need basic knowledge in optical communication systems

- **Potential Employers**

Rogers, Shaw, Bell Canada, Nortel, Intel, IBM, City of Toronto...

- **Graduate Studies**

Calgary, Alberta, Ryerson, Toronto, Waterloo, Queens, UBC, McGill, etc., have strong graduate programs optical communications.