ELE864 – Electric Drives

• **Course Outline**
  http://www.ee.ryerson.ca/undergraduate/dcd/ele864.html

• **Key Knowledge to Be Acquired**
  A course on motor drives and power converter control. The topics include overview of motor drive system, dc motor drives, induction motor drives, synchronous motor drives, speed control system and regulator design.

• **Key Skills to Be Mastered**
  Analysis of motor drive system, design and selection of power converters, digital control system design, system modeling and simulation, automatic code generation and experiment data analysis.

• **Potential Careers**
  Engineers in the area where motor drives is required. The industry include motor drive manufacture companies, industrial processing (like oil, oil-gas), electric and hybrid vehicles, etc ...

• **Potential Employers**
  Honeywell, Rockwell Automation, IE power, Eaton, Seimens, ABB, Emerson, GM, Bombardier, and many more other companies in Toronto area.

• **Graduate Studies**
  Waterloo, Toronto, Ryerson, Mcgill, Western Ontario, UBC, UNB, etc., have strong graduate programs in power engineering.