

ELE809 – Digital Control Systems Design

- **Course Outline**

<http://www.ee.ryerson.ca/undergraduate/dcd/ele809.html>

- **Key Knowledge to Be Acquired**

Fundamental knowledge in the analysis and design of digital control systems. Modern control systems design using the state-space system model. State estimation using full and reduced-order observers.

- **Key Skills to Be Mastered**

Design, simulation and implementation of digital controllers using MATLAB.

- **Potential Careers**

Control system engineers, mechatronic system engineers, embedded systems engineers, system integration engineers, instrumentation engineers, ...

- **Potential Employers**

Potential employment can be found in the following industries: automotive, aerospace, oil and gas, power, ...

- **Graduate Studies**

University of Toronto, University of Waterloo, University of BC, McGill University, etc.