



To whom it may concern,

I am responsible for teaching certain sections of the following courses.

**ELEC 341 - *Systems and Control***

This is a lecture / project course with a focus on the modelling, simulation and control of electro-mechanical systems. The term project involves modelling a complex electro-mechanical system and optimizing a PID controller to perform a prescribed task.

A high grade in this course indicates an understanding of control system theory, and the ability to apply that understanding practical problems.

**ELEC 371 - *Biomedical Instrumentation***

This is a lecture / lab / project course covering a broad range of medical instruments and technologies including open surgery and MIS tools, orthopaedics, robotics, and bio-signal (EKG / EMG) measurement devices. Lab assignments provide hands-on experience with commercial medical equipment. The project is a team-based, open-ended medical application based on one or more of the associated lab assignments, with a focus on commercial viability.

A high grade in this course indicates experience with a broad range of medical devices and the ability to develop an innovative and commercially viable solution to a bio-medical market need.

**ELEC 391 - *Electrical Engineering Design Studio II***

This is a project course where student teams develop a complex automated electro-mechanical control system. All motors, sensors, electronics and real-time control system are developed and build from raw materials. This is a demanding project that requires strong technical and hands-on skills as well as the ability to perform effectively in a team environment with real-life constraints.

A high grade in this course indicates a well-rounded set of abilities that include technical knowledge, simulation skills, design software skills, electrical and mechanical prototyping skills, delegation and scheduling skills, presentation skills, and time and monetary budgeting skills.

Please consult the student transcript for my evaluation of their performance in these courses.

Sincerely,  
Leo Stocco, PhD, PEng  
Electrical & Computer Engineering  
The University of British Columbia