



**Sessional Lecturer posting for CUPE 4163 (Component 3)  
Department of Electrical and Computer Engineering  
Faculty of Engineering and Computer Science**

**ECE 405 / ECE 511 – Error Control Coding**

Term of Appointment from: 1 January 2022 to 30 April 2022

The Department of Electrical and Computer Engineering is seeking a qualified individual to teach ECE 405 / ECE 511 – Error Control Coding for the Spring 2022 (January to April) academic term. The calendar description of the course can be found below:

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**ECE 405 Error Control Coding      Units: 1.5      Hours: lecture-lab-tutorial: 3-0-0**  
**Formerly: ELEC 405**

The channel coding problem; coding approaches and characteristics; linear block codes; bounds on codes; finite fields; cyclic, BCH and Reed-Solomon codes; convolutional codes and the Viterbi algorithm; error control in data storage and transmission systems.

**Note(s)**

Credit will be granted for only one of ECE 405, ELEC 405.

**Prerequisites:**

Minimum fourth-year standing in the Faculty of Engineering and Computer Science.  
or permission of the department.

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**ECE 511 Error Control Coding      Units: 1.5**  
**Formerly: ELEC 511**

The channel coding problem; coding approaches and characteristics; linear block codes; bounds on codes; finite fields; cyclic, BCH and Reed-Solomon codes; convolutional codes and the Viterbi algorithm; error control in data storage and transmission systems. Students are required to complete a project.

**Note(s)**

Credit will be granted for only one of ECE 511, ECE 405, ELEC 405, ELEC 511.  
May be offered as a joint undergraduate and graduate class.

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**REQUIRED QUALIFICATIONS AND EXPERIENCE**

- The successful individual will have a Ph.D. degree, or be enrolled in a Ph.D. degree and must have demonstrated knowledge or experience with the subject matter.
- Prior teaching experience at a university level is an asset.
- Salary is commensurate with the qualifications and follows the Sessional Lecturer Salary Grid included in the agreement between the University of Victoria and CUPE Local 4163 (Component 3).
- **IF YOU ARE A GRADUATE STUDENT APPLYING FOR THIS POSITION, YOUR APPLICATION MUST INCLUDE A LETTER FROM YOUR SUPERVISOR(S) INDICATING HIS/HER/THEIR AGREEMENT WITH YOUR ACCEPTING THIS POSITION SHOULD IT BE OFFERED TO YOU.**

The availability of this position is subject to funding and enrollment criteria. The University of Victoria reserves the right to fill additional teaching assignments from the pool of applicants for this posting.

The University of Victoria is an equity employer and encourages applications from women, persons with disabilities, visible minorities, and aboriginal persons.

**TO APPLY:** Please submit an expression of interest together with a recent CV via email to [eceasst@uvic.ca](mailto:eceasst@uvic.ca) Attention: Chair, Department of Electrical and Computer Engineering by: **4 October 2021.**

The anticipated date by which employment decisions will be made is 12 October 2021.