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

BME 403 / ECE 435 Medical Imaging Processing

Term of Appointment from: 1 January 2024 to 30 April 2024.

The Department of Electrical and Computer Engineering is seeking a qualified individual to teach BME 403 / ECE 435 Medical Imaging Processing for the Spring 2024 (January – April) academic term. The calendar description of the course can be found below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours:</th>
<th>Cross-listed courses</th>
<th>Formerly</th>
</tr>
</thead>
<tbody>
<tr>
<td>BME403 - Medical Image Processing</td>
<td>1.5</td>
<td>lecture-lab-tutorial 3-1.5-0</td>
<td>ECE435 - Medical Image Processing</td>
<td>ELEC 435</td>
</tr>
</tbody>
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Image processing and understanding techniques applied in medical imaging technologies such as CT, MRI, ultrasound, X-ray. Design of computer aided diagnosis systems. Topics include algorithms for filtering, edge detection, segmentation, registration and 3D visualization of medical data.

Note(s)
- Credit will be granted for only one of BME 403, ECE 435, ELEC 435.

Prerequisites
- Complete 1 of:
  - ECE310 - Digital Signal Processing I (1.5)
  - ELEC310 - Digital Signal Processing I (1.5)

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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 Attention: Chair, Department of Electrical and Computer Engineering by: 30 October 2023 at 10:00am.