University of Victoria
Civil Engineering

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

**CIVE Courses – Spring 2027 Opportunities**

The Department of Civil Engineering is seeking a qualified individuals to teach the following courses:

## Spring 2027 academic term. Term of Appointment January 1 to April 30, 2027

**CIVE 345 – Fluid Mechanics Units: 1.5**
**Hours lecture-lab-tutorial: 3-1.5*-1**
**Lectures: Mondays & Thursdays 1000 – 112-**
**Labs: Tuesdays 1400 – 1650; Wednesdays 1100 – 1350 & 1400 - 1650**
**Tutorials: Wednesdays 8:30 – 9:20am**

**Description**
Properties of fluids. Basic flow analysis techniques. Basic concepts: velocity field, stress, flow patterns, classification of fluid motion. Fluid statics: pressure distribution; hydrostatic forces on submerged surfaces; buoyancy and stability. Integral analysis of fluid motion: conservation of mass, momentum balance, energy balance. Dimensional analysis and similitude. Laminar and turbulent flow in pipes and pipe systems. Flow measurement.

*Indicates a 3-hour laboratory taken by students on alternate weeks.

**CIVE411/511 Resilient smart cities Units: 1.5**
**Hours lecture-lab-tutorial: 3-0-0**
**Lectures: Mondays & Thursdays 1130 – 1250**

**Description**
The resilient smart cities context and the relationship to urban sustainability; smart city tools, applications and systems; all hazards risk assessment and the evolving cyber-physical threat; operational and strategic urban resilience planning processes in general and for smart city systems.

****CIVE 480A - Special Topics: Advanced Computer-Aided Design**
**Units: 1.5 Hours lecture-lab-tutorial: 3-0-0**
**Lectures: To be determined**

**Description**
Advanced applications of computer-based tools for Civil Engineering Design. CAD, BIM, CIVIL3D, GIS, etc. This is a second course for Civil Engineering students and should cover both intermediate and advance tool use and practical applications from engineering and construction. This is a new course with no existing curriculum.

**CIVE 516 Climate Strategies**
**Units: 1.5 Hours lecture-lab-tutorial: 3-0-0**
**Lectures: To Be Determined**

**Description**
Develop and evaluate socio-technological strategies for deep decarbonization. Technological, economic, financial and institutional approaches to a low-carbon transition.

**Required Qualification and Experience**

- The successful individual will have a Ph.D. or a Master's degree or be enrolled in a graduate program and must have relevant knowledge and experience with the subject matter. An equivalent combination of education and experience may be considered.
- Preference will be given to applicants who are registered as professional engineers (P.Eng.) Positions marked with a double asterisk (**) require the instructor to be registered as a P.Eng.
- Prior teaching experience at a university level is an asset.
- Must be available to teach in person at UVic.

Salary is commensurate with the qualifications and follows the Sessional Lecturer Salary Grid in the Collective Agreement between the University of Victoria and CUPE Local 4163 (Component 3).

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.

UVic is committed to upholding the values of equity, diversity, and inclusion in our living, learning and work environments. In pursuit of our values, we seek members who will work respectfully and constructively with differences and across levels of power. We actively encourage applications from members of groups experiencing barriers to equity. Read our full equity statement here: www.uvic.ca/equitystatement

**To apply:** Please submit an expression of interest (e.g. cover letter) Attention: Dr. Thomas Froese, Department of Civil Engineering, together with a recent CV via email to Christine Doszecki (doszecki@uvic.ca) Posting is open **until October 15th** and applications may continue to be considered until positions are filled.