**Positions for full-time and part-time instructors**  
**Faculty of Applied Science – School of Engineering**

**The University of British Columbia, Faculty of Applied, School of Engineering**

The School of Engineering at the University of British Columbia, Okanagan invites applications for Sessional Lecturer positions.

**Location**

UBC’s Okanagan campus is situated in Kelowna on the unceded lands of the Okanagan people, and Kelowna is surrounded by agricultural areas, lakes, forests, and mountains. Kelowna is a four-season playground for a diversity of outdoor activities.

**Our values**

Our work is shaped by our values: professionalism and integrity; scholarship and teaching excellence; commitment to students; partnerships and collegiality; initiative, innovation, and willingness to change; community, the environment, and sustainability. We hold these values as an integral frame of reference to inform our decisions and actions at every level and in every situation. The ideal candidate will have a strong commitment to Indigenous engagement. As part of the University’s response to the Truth and Reconciliation Commission’s Calls to Action, UBC Okanagan has committed to supporting and implementing five key commitments, which can be found at [https://ok.ubc.ca/about/indigenous-engagement/](https://ok.ubc.ca/about/indigenous-engagement/).

**Term 1 (May 13, 2024 – June 20, 2024)**

**APSC 178 (3) Electricity, Magnetism, and Waves**
Electric fields and forces, electric potential, capacitance, DC circuits, magnetic fields and forces, Faraday's law, inductance, waves, light, and optics.

**APSC 246 (3) System Dynamics**
Introduction to the Fourier series. Linear time invariant system, impulse response function, operator, convolution, system characterization, complex numbers, solution of linear ordinary differential equations, Laplace transform and its applications, transfer function, frequency response, solution to system of linear differential equations. Fourier series and transform.

**APSC 248 (3) Engineering Analysis III**
Multivariable functions, Lagrange multipliers; line integrals, surface integrals, volume integrals; divergence, curl, gradient; divergence and Stokes' theorems; engineering applications of vector field theory. Introduction to partial differential equations.

**ENGR 303 (3) Engineering Project Management**
Project management including initiating, planning, executing, controlling, and closing engineering projects. Managing the scope, costs, schedule, risks, and human resources in engineering projects. External party engagement, including Indigenous communities.
Term 2 (July 2, 2024 – August 9, 2024)

APSC 181 (3) Dynamics
Kinematics of particles, curvilinear motion, normal-tangential, polar, cylindrical coordinates, force and acceleration, equation of motions, work and energy, conservation of energy. Introduction to rigid body dynamics.

Review of above applications will commence on March 7, 2024. The positions will remain open until filled.

Applicants must have a Master’s or Ph.D. in an engineering discipline and have post secondary teaching experience.

Eligibility: A student completing their master’s degree will normally not hold an appointment to teach. A doctoral student at UBC who has been admitted to candidacy may hold an appointment to teach, with a limit of a total of nine credits of teaching over the duration of the degree. A doctoral candidate whose program has been extended will not normally be eligible to teach.
https://gradstudies.ok.ubc.ca/policies-procedures/student-employment/#item3

Duties will include teaching, holding regular office hours, marking all assignments and exams, and reporting grades.

With the letter of application, candidates should include a Curriculum Vitae (C.V.), which includes a current home address and phone number, and teaching evaluations (where available). The C.V. must include a detailed list of all post-secondary courses taught, including: course title, credit-value, course delivery dates and degree of responsibility for the course. Applicants should also include a minimum of two referees with addresses and phone numbers. Please reference the course(s) that you are applying for.

All positions are subject to funding and are governed by UBC's "Agreement on Conditions of Appointment for Sessional and Part-time Faculty Member."

Please e-mail application materials to the School of Engineering via email to recruitment.apsc@ubc.ca. Documents must be submitted in electronic format as e-mail attachments. Acceptable formats include Microsoft Word (.doc) and Adobe Acrobat (PDF).

“Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been under-represented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person.”