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/

Winter - Term 1 (September 1, 2024 – December 31, 2024)

APSC 180 (3) Statics
Force vectors, Cartesian coordinate system, free body diagram, dot and cross products, forces equilibrium of particles, force and moment equilibrium of rigid bodies, analysis of trusses, frames and machines, friction, wedges, pulleys, and belts. Applications of linear algebra in statics.

APSC 254 (3) Instrumentation and Data Analysis
Data acquisition, sensors, instrumentation, measurement techniques and their limitations, experimental design, and data analysis; statistics, basic probability; application of statistics to data analysis.

ENGR 341 (3) Engineering Hydrology
Hydrologic processes, climate change and hydrologic cycle analysis, urban flood management. Emphasis on quantitative techniques.

ENGR 342 (3) Open Channel Flow
Channel characteristics, flow classification, specific energy and momentum, uniform flow, critical flow, hydraulic jump, flow control structures, channel design, unsteady flow, contaminant transport.
ENGR 359 (3) Microcomputer Engineering
Microcomputer architecture, number representation, assembly language, parallel and serial input/output, interrupts, memory, peripherals.
Preferred applicants will have P.Eng

ENGR 438 (3) Rock Mechanics and Rock Engineering

ENGR 444 (3) Solid Waste Engineering
Applications of engineering principles and practices to land disposal of hazardous and non-hazardous wastes.

ENGR 533 (3) Construction Engineering and Management

Review of above applications will commence on June 24, 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.”