Sessional Lecturer | School of Biomedical Engineering

The School of Biomedical Engineering (SBME) at The University of British Columbia (UBC), Vancouver campus, invites applications for a part-time Sessional Lecturer to teach the following Biomedical Engineering course:

### BMEG 410/510 (3 credit course)
- BMEG 410: Biomedical Equipment, Physiology, and Anatomy
- BMEG 510: Anatomy and Physiology with Applications to Biomedical Devices

#### 2023 WINTER TERM 1

**COURSE DESCRIPTION**
The course explores:
- Principles and operation of biomedical equipment for cardiovascular system, respiratory system, renal dialysis, endoscopy, surgery, and imaging. Functional relationships of biomedical equipment to physiology and anatomy of major body systems.
- Anatomical structures and physiological principles of major body systems. Functional connections to operation of diagnostic and therapeutic equipment. Exploration of recent advances.

**Date/Time:** Winter 2023, Term 1 (Sept 1, 2023 to December 31, 2023)
**Lecture:** 3 hours per week (in-person). Classes will be held on Tuesday and Thursday evenings.
**Laboratory:** 4 hours

**Required Texts and Other Materials:** All materials will be provided online

**Salary:** Based on sessional lecturer’s salary scale as per the UBCFA Collective Agreement

**RESPONSIBILITIES**
Reporting to the Director, Undergraduate Program, who in turn reports to the Director of the School of Biomedical Engineering, the incumbent will be responsible for teaching BMEG 410 and BMEG 510 (co-listed). The role will involve delivering weekly lectures, coordinating 4 laboratory sessions (led by teaching assistants), providing training to teaching assistants to conduct laboratory sessions, prepare laboratory set-ups, training and overseeing teaching assistants in the marking of assignments and project reports, and liaising with the laboratory manager to ensure laboratories are run safely, and to replenish consumables, reagents, and any other duties related to the teaching of this course.

**QUALIFICATIONS**
The successful applicant will have post-secondary training experience and a record that provides evidence of teaching effectiveness as an instructor or teaching assistant in the field of interdisciplinary studies, preferably in the areas of anatomy and engineering and specifically in biomedical devices and an experience in the pedagogy of anatomy and biomedical engineering. The successful applicant will have completed a Master’s degree in Engineering or Science before teaching starts. Candidates are expected to have excellent communication skills and working knowledge of modern teaching methods and supporting tools. The skillsets and experience desired in the successful candidate include experience with flipped classrooms, online course delivery, and other experiential teaching methods.

**APPLICATION PROCEDURE**
Applicants should include with the letter of application:
- A CV, which includes a record of experience and a detailed list of all post-secondary courses taught (course name and number, length, credit value, dates, and teaching responsibilities);
- Evidence of teaching effectiveness, if available; otherwise a teaching statement, and
Applications should be directed to:
Garima Arora
Sr. Human Resources Manager
School of Biomedical Engineering
hr@sbme.ubc.ca
Subject Line: Sessional Lecturer Position 2023 W1

Applications will be accepted until July 28, 2023.

For more information, please visit www.bme.ubc.ca. All positions are subject to availabilities of funds and will be governed by UBC's "Agreement on Conditions of Appointment for Sessional Faculty Members".

The School of Biomedical Engineering is a partnership between the Faculties of Medicine and Applied Science, acting as a nucleus for education and training, research, and innovation in biomedical engineering, creating new knowledge, new academic and training programs, and fostering translation and innovation. Its vision is to transform health care outcomes through unconstrained exploration of the best possible integrative solutions across engineering, medicine, and biology. Through collaborative, innovative, and interdisciplinary approach and building on UBC academic and research excellence, the School of Biomedical Engineering is emerging as a global leader in biomedical engineering research, education and translation.

At UBC, we believe that attracting and sustaining a diverse workforce is key to the successful pursuit of excellence in research, innovation, and learning for all faculty, staff and students, and is essential to fostering an outstanding work environment. Our commitment to employment equity helps achieve inclusion and fairness, brings rich diversity to UBC as a workplace, and creates the necessary conditions for a rewarding career.

The University is committed to creating and maintaining an inclusive and equitable work environment for all members of its workforce. An inclusive work environment presumes an environment where differences are accepted, recognized, and integrated into current structures, planning, and decision-making modes. Within this hiring process we will make efforts to create an inclusive and equitable process for all candidates (including but not limited to people with disabilities). Confidential accommodations are available on request for applicants who are short-listed. Please contact Garima Arora, Sr. HR Manager via email at garima.arora@ubc.ca.

To learn more about UBC's Center for Workplace Accessibility, visit the website here https://hr.ubc.ca/CWA.
The Faculty of Applied Science includes all UBC Engineering activities at both the UBC Vancouver and UBC Okanagan, as well as the Schools of Architecture and Landscape Architecture, Community and Regional Planning and Nursing. The Faculty was one of UBC's three founding faculties, admitting some of the University's first students in engineering in 1915. The Faculty includes over 300 full-time faculty members and more than 8,600 students.

The Faculty of Applied Science comprises a unique constellation of disciplines and is committed to creating lasting change by discovering and applying knowledge. Our core purpose is to discover, design, and innovate, provide unwavering top-tier education, and champion a community of responsible professionals devoted to serving a thriving, sustainable and healthy society. Our work and the professional disciplines we represent span the entire human-centred built environment. We represent innovation at all scales from nanoscale electronic devices that power communications to the design of entire cities.

The UBC Vancouver Campus is located on the traditional, ancestral, and unceded territory of the xʷməθkʷəy̓əm (Musqueam) people. The City of Vancouver is located on Musqueam, Squamish, and Tsleil-Waututh First Nations territory.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented 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. All qualified candidates are encouraged to apply; however Canadians and permanent residents of Canada will be given priority.