The Department of Computer Science			
APPOINTMENT:	From: 1-Sep-24	To:	31-Dec-24
POSITION TITLE:	Sessional Lecturer	COURSE:	**CSC 226 - Algorithms and Data Structures II**

SUMMARY OF DUTIES AND RESPONSIBILITIES:

The Department of Computer Science is seeking a qualified individual to teach CSC 226 Algorithms and Data Structures II Fall 2024 (Sep to Dec) academic term. The class is scheduled for MTh 10:00 to 11:20 a.m. The calendar description of the course can be found below**:**

https://www.uvic.ca/calendar/undergrad/

Advanced techniques for design, analysis, and implementation of algorithms and data structures with an introduction to algorithm engineering. Algorithmic design paradigms: greedy, divide-and-conquer, dynamic programming, backtracking, branch and bound. Advanced Analysis techniques, such as amortization. Advanced data structures: hashing, disjoint sets. Advanced graph algorithms: network flow, connectivity, minimum spanning trees, shortest paths. Mathematical tools:

A more detailed description is available at:

https://heat.csc.uvic.ca/coview/course/2024051/CSC226

Prerequisite(s): CSC 225

REQUIRED QUALIFICATIONS AND EXPERIENCE:

• The successful individual will have a Ph.D. or a Master's degree and/or relevant industrial 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.**

HOW TO APPLY:

If you are interested in applying for this position, please submit your cover letter, along with your CV and contact information for 2-3 references by **4:30pm, Friday August 2, 2024** to:

Attn: Undergraduate Studies Program Coordinator, Department of Computer Science

Email: uspc@uvic.ca

IT IS ANTICIPATED FINAL EMPLOYMENT DECISION WILL BE MADE BY: 9-Aug-24

Appointments will be made in accordance with Article 13.02 (Appointment Procedures) and Appendix A of the CUPE 4163 Collective Agreement.

Selection criteria will include: qualifications and ability based on academic merit and related experience, the career and/or pedagogical value that the experience in a particular position will provide the student, the student's preferences, and other sources of graduate student financial support being received.

The University reserves the right to fill additional teaching assignments from the pool of applicants for this posting

1. Number of available positions subject to funding availability and/or course cancellation.

2. See Schedule 1 in the Collective Agreement for wages.

The University of Victoria is an equity employer and encourages applications
from women, persons with disabilities, visible minorities and aboriginal persons.