CUPE Local 3902 (Unit 3) Job Posting

Sessional Co-Lecturer Position

Posting Date: August 10, 2022

Program: Master of Health Informatics (MHI)

Sessional dates of appointment: Winter 2023, January - April

Course title: MHI2004H: Human Factors & System Design in Healthcare

Course Description:

This course will address the socio-technical challenges of introducing information and communication technology into healthcare settings. The course will cover contrasting strategies in the successful adoption and deployment of systems by introducing the fundamental concepts of human factors and the principles and strategies associated with organizational change management. The course will focus on psycho-social and behavioural issues and how they affect the design and usability considerations related to clinical applications and devices. Students will learn about how artificial intelligence can be used to support individual behaviour change and its application in precision medicine and personalized care.

Case examples will be utilized to demonstrate issues of human-computer interaction in clinical settings. Students will be provided with an opportunity to conduct usability testing, a clinical workflow analysis, clinical process design and engineering, and determine the potential impact of introducing online clinical information tools. End user engagement strategies to influence successful adoption of clinical information systems will also be discussed.

Objectives:

At the conclusion of this course students should understand the follow:

- Adoption of ICTs in complex socio-technical environments.
- Human factors and Human-Computer interaction (HCI) – Mental models, iterative user-centered design and methods.
Clinical and departmental workflow analysis.
Process design and engineering in relation to the introduction of clinical computing Assessing cultural readiness within organizations.
Integration of ICT’s into clinical practice settings and related strategies.
Determining an effective device strategy for the deployment of clinical information systems.
Structures to support organizational change including supporting roles and communication tools.
End user engagement to secure probability of buy-in and successful implementation of clinical information systems.
Technical, organizational, and individual issue management – Change leadership, disruptive technologies, innovators, diffusion of innovation.

Qualifications:

- A PhD or Masters level education with recent experience in clinical and health informatics, preferably in the areas of ICT adoption, implementation, and evaluation;
- A robust understanding of clinical/clinician work processes, as influenced by health informatics and related technology;
- Past teaching experience related to health informatics, preferably at the graduate level;
- Prior experience in curriculum development and adult teaching-learning methods;
- Comfortable with electronic teaching tools such as Learning Management Systems (e.g., Canvas), PowerPoint, as well as on-line collaboration tools (Blogs, Wikis, Discussion Boards, Webinars, or Video-conferencing).

Class schedule: Modular
Estimated enrolment: 70
Estimated TA support: based on enrolment - None

Duties:

- Course instructor for a professional graduate course using competency-based learning and assessment methods.
- Responsible for course design and assessment of student outcomes. Must be accessible to students outside of classroom hours.

Salary: Commensurate with experience
How to submit an application: Please send your CV and cover letter, outlining additional value you will bring to teaching the course via e-mail to ihpme.appointments@utoronto.ca and ihpme.mhi.program@utoronto.ca

Closing date: August 30, 2022

This job is posted in accordance with the CUPE 3902 Unit 3 Collective Agreement.

It is understood that some announcements of vacancies are tentative, pending final course determinations and enrolment. Should rates stipulated in the collective agreement vary from rates stated in this posting, the rates stated in the collective agreement shall prevail.

Preference in hiring is given to qualified individuals advanced to the rank of Sessional Lecturer II or Sessional Lecturer III in accordance with Article 14:12 of the CUPE 3902 Unit 3 collective agreement.

Please Note: Undergraduate or graduate students and postdoctoral fellows of the University of Toronto are covered by the CUPE 3902 Unit 1 collective agreement rather than the Unit 3 collective agreement, and should not apply for positions posted under the Unit 3 collective agreement.