CUPE Local 3902 (Unit 3) Job Posting

Sessional Lecturer Position

Posting Date: May 13, 2022

Program: Master of Health Informatics (MHI)

Sessional Dates of Appointment: Fall 2022, September to December

Course Title: MHI2017H - System Design and Process Innovation in Healthcare

Course Description:

There are numerous ways in which information technology can be used in any particular setting, with very different results. IT can be used to reduce costs and improve efficiency simply by taking advantage of the power of automation. But the increasingly diverse capabilities of IT systems can also stimulate innovative rethinking of business processes, reorganizing and simplifying work relationships and roles. Even more radically, strategic use of IT can lead to transformations in entire industries, changing the rules and business models within which customers, suppliers, partners and other stakeholders operate.

In the information systems world, the systems analyst acts as the intermediary between technical system developers on the one hand, and business managers and users on the other. Techniques have been developed to enable them to analyze business situations and communicate requirements to technical developers. With the rapidly changing role of IT in today's organizations, there is also need to rethink the methods and techniques used in systems analysis. This course will cover conventional systems analysis methods as well as recent developments. Modeling approaches considered will include process modeling, data modeling, object modeling, strategic modeling, and value network modeling. Strengths and limitations of various techniques will be examined. Examples and case studies from the health care domain will be discussed.

Objectives:

The course aims to provide an understanding of the concepts and practices of systems analysis. Emphasis is placed on the evolving context of systems analysis, ranging from automating existing processes, to innovative redesign of processes, to radical transformation. Modeling techniques used to support analysis in these diverse contexts are explored. Applications in health care are emphasized.

At the end of this course, students will be able to:

- Describe and explain the activities and contexts of systems analysis.
Describe the changing nature of systems analysis, where information systems can be used to achieve varying degrees of change to existing processes.

Approach an organization to study its activities and processes from the perspective of systems analysis.

Map processes using modeling techniques for analysis.

Analyze the processes and data in an organization, and to explore alternative options for redesigning or improving processes, taking advantage of information technology systems.

Use modeling techniques to explore more fundamental changes, including those involving reconfigurations of relationships among stakeholders inside and outside the organization.

Discuss the strengths and limitations of various techniques for systems analysis.

Course Details:

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

Qualifications:

- A PhD or Masters level education with experience in health informatics and information technology, systems analysis and design, and organizational modeling;
- A robust understanding of business process management, requirements engineering and system design methods;
- An extensive knowledge of eHealth landscape in Canada;
- 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., Quercus), PowerPoint, as well as on-line collaboration tools (Blogs, Wikis, Discussion Boards, Webinars, or Video-conferencing).

Duties:

- Course instructor for a professional graduate course using competency-based learning and assessment methods.
- Must be accessible to students outside of classroom hours.
- Available evenings and weekends.

Salary: Commensurate with experience

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: June 2, 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.