

Position: Content Provider (non-degree)

Location: Extended Education

Appointment Start Date: January 10, 2022

Appointment End Date: April 18, 2022

Full time: no

Permanent: no

Posting end date: October 25, 2021

Course Names: BIM and Sustainability in the AECOO Industry (EEAS 0140); 36 contact hours

Remuneration: \$6,600 - \$8,800

Department contact for this posting: Sarah.Chan@umanitoba.ca

Role:

Extended Education seeks an expert in **Building Information Modeling (BIM)** to work with our in-house curriculum design experts to develop curriculum for the course, **BIM and Sustainability in the AECOO Industry (EEAS 0140)** in the program **Certificate in Building Information Modeling (BIM) Management**.

Responsibilities:

The Content Provider will work with the Design and Production team, which includes the instructional designer and production team. It is expected that the content provider is available for virtual meetings with the Design and Production team during the development.

During the design phase of development, the content provider will work with an instructional designer to develop course blueprints with unit-by-unit learning outcomes; course outlines and course schedules; assessment overviews, as well as individual assignments and rubrics. During the production phase of the development, the content provider will write the content, which is comprised of units and activities for online and face-to-face delivery. If media pieces are required, they will be developed during this phase. The content provider is also required to complete a mid-point review, as well as a final review of the courses.

Course information:

Building and Sustainability in the AECOO Industry (EEAS 0140); 36 contact hours

This course introduces fundamental topics in sustainable building design and Lean methodology, and prompts consideration of how these can interact with BIM to enhance sustainability in the built environment. The history, principles, and practices of sustainable construction are explored, and compared with Lean methodologies. The 7D BIM concept is introduced, and capabilities of BIM to directly and indirectly improve the sustainability of a project are explored. Pre-requisites: BIM Fundamentals I and II.

Qualifications:

Applicants must have a minimum of five years of experience working in the AECOO Industry with in-depth knowledge of sustainable building design and Lean methodologies. Applicants will be familiar with 7D BIM, Building Performance Monitoring, post-occupancy evaluation, building energy simulation, sustainable construction practices, and building life cycle analysis. Knowledge of the Canadian Practice Manual for BIM (buildingSMART Canada), ISO 19650, and an excellent understanding of the BIM landscape, both nationally and globally are an asset. Applicants must have an undergraduate degree, or an equivalent combination of education and experience may be considered. Applicants must possess excellent writing skills, the ability to complete tasks on schedule, and have strong communication skills. Assets include experience in the development of courses and/or instructing, and affiliations with BIM certifying bodies (buildingSMART, CanBIM).

Applications must include a **cover letter** and **resume**. We thank all applicants for their interest; however, only those advancing in the selection process will be contacted. Remuneration is subject to qualifications.

The University of Manitoba is strongly committed to equity and diversity within its community and especially welcomes applications from women, racialized persons, Indigenous peoples, persons with disabilities, persons of all sexual and gender identities, and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

If you require accommodation supports during the recruitment process, please advise.

Application materials, including letters of reference, will be handled in accordance with the protection of privacy provisions of "The Freedom of Information and Protection of Privacy" (Manitoba). Please note that curriculum vitae will be provided to participating members of the search process.