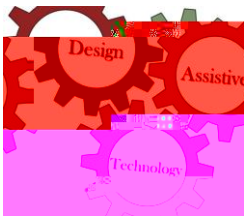


Design of Assistive Technologies: Principles
Course Outline POTH-625D1/D2; Fall 2023 and Winter 2024

General Information

Course #: POTH 625D1/D2 **Section #:** 001 **Term:** Fall and Winter **Year:** 2023 and 2024

Course Schedule: Lectures are three hours per week on Friday from 3 6 pm

Number of credits: 3

Prerequisites: There are no formal prerequisites for the course. We seek students from a wide range of

Many students are in Biomedical Engineering, Occupational Therapy and Physical Therapy, but students from all majors are welcome. This course is a good fit for students interested in public service, user-centred -world problems.

Sister courses: Students enrolled in this course will be attending class with students from BMDE 525 -

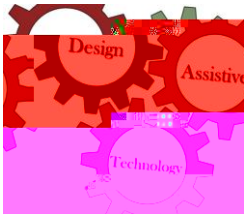
from BMDE 525 and POTH 625. All students will be expected to contribute to the conceptual design of the project. Students work together to develop assistive technologies and to create resources that serve the disabled community of Montreal.

Instructor Information

Name and Title:	Stefanie Blain-Moraes, Associate Professor
Email:	stefanie.blain-moraes@mcgill.ca;
Office Location:	Montreal General Hospital, 1650 Cedar Avenue, Room R2.114
	Office hours by appointment

Calendar Course Description

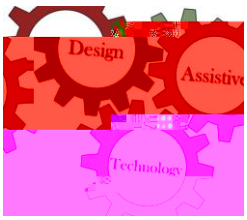
Design of Assistive Technology: Principles and Praxis is an interdisciplinary, project-based course, centred around design projects in which teams of students work with a person with a disability in the Montreal area to design a device, piece of equipment, app, or other solution that reduces their experience of disability.

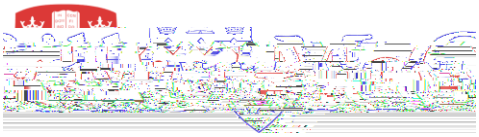


Overall Goals of the Course

1. To create accessible and sustainable resources that serve the disabled community of Montreal, enabling and supporting them to create and customize their own assistive technology.
2. To create and deliver assistive technology that matches the needs, lived experiences and values of clients/co-designers with disabilities.
3. To build awareness of custom assistive technology solutions in the disabled community in Montreal.

Learning Objectives


Design
Assistive
Technology



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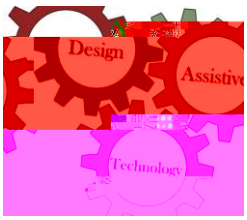

Special Requirements for Course Completion and Program Continuation

Plagiarism/Academic Integrity: McGill University values academic integrity. Therefore, all students must understand the meaning and consequences of cheating, plagiarism and other academic offences under the Code of Student Conduct and Disciplinary Procedures (see http://www.mcgill.ca/students/srr/honest/ for more information).

à tous les étudiants de comprendre ce que l'on entend par tricherie, plagiat et autres infractions académiques, ainsi que les conséquences que peuvent avoir de telles actions, selon le Code de conduite de l'étudiant et des procédures disciplinaires (pour de plus amples renseignements, veuillez consulter le site www.mcgill.ca/students/srr/honest/).

Right to submit in English or French written work that is to be graded: In accord with McGill

French any written work that is to be graded, except in courses in which acquiring proficiency in a language is one of the objectives.

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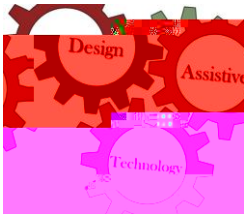

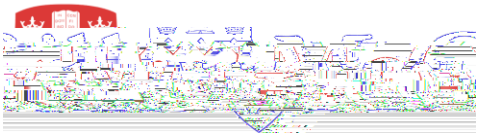

unwelcome or disrespected in view of their identity or beliefs. We intend that the instructional design of all courses minimize any barriers to participation, particularly barriers based on age, biological sex, disability, gender identity or expression, indigenous ancestry, linguistic and cultural background, race/ethnicity,

personhood. We therefore recognize our responsibility, both individual and collective, to strive to establish and maintain a respectful environment that is free from discrimination.

evaluation scheme in this course is subject to change.