

## **OCC1 620 WORK AND ERGONOMICS**

**Credits:** 2

**Prerequisites:** Successful completion of all QY courses including clinical affiliation requirements

**Course Coordinator:**

S. Saunders

Tel: 514-774-4486

sara.saunders@mail.mcgill.ca

Office appointments: by request

**Course Instructors:** S. Saunders and guest lecturers

**Course Description:** Occupational therapy evaluation and intervention in vocational rehabilitation, work safety and injury prevention.

**Course Structure:** With the use of different teaching methods (lectures, labs, field trips and assignments), the students will be introduced to the main components of vocational rehabilitation (job tasks analysis, functional capacity evaluation, work hardening, work modification, and return to work). Specific vocational rehabilitation concerns regarding psychosocial issues, traumatic head injuries and mental health are presented. Ergonomic principles are introduced.

**Overall Objective:** To introduce students to the principles of vocational rehabilitation including job demands analysis, functional capacity evaluation, work hardening and return to work. This course will examine the environmental influences on work, the ergonomic principles and assessment, and the fitting of the workplace to the capabilities of the human worker. Finally the aspects of promotion of work safety and injury prevention will be covered.

**Student Learning Objectives:** Upon completion of this course, the student therapist will be able to:

1. Define and discuss ergonomic principles and their application to rehabilitation
2. Conduct an ergonomic evaluation of an office workstation and suggest recommendations for improvement.
3. Define, discuss and critically evaluate functional capacity evaluation protocols

4. Conduct a worksite job tasks analysis and evaluate the strengths and weaknesses of a work environment and the job tasks in a given job
5. Evaluate and elaborate upon intervention strategies to reduce occupational performance barriers limiting clients' ability to return to work
6. Develop safe and effective return to work rehabilitation programs

### **Course Materials:**

### **Required Texts:**

1. Jacobs, K, Ed. (2008), Ergonomics for Therapists. 3rd edition. Elsevier: Toronto
2. Radomski MV & Trombly Latham CA (2008) Occupational Therapy for Physical Dysfunction. 6th Edition, Lippincott, Williams and Wilkins: Baltimore.

### **Student Assignment and Evaluation:**

Practical lab:	5%
Ergonomic Workstation Risks Analysis:	20%
Workplace Job Tasks Analysis Report:	35%
Final Assignment (Return to work):	40%

A detailed description of these evaluations will be provided as part of the course schedule on the first day of class.

**In the event of extraordinary circumstances beyond the University's control, the content and/or evaluation scheme in this course is subject to change.**

### **Special Requirements for Course Completion and Program Continuation:**

In order to pass the course, a grade of at least B- (65%) must be obtained as a total course mark.

**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 [www.mcgill.ca/students/srr/honest/](http://www.mcgill.ca/students/srr/honest/) for more information.)

"L'université McGill attache une haute importance à l'honnêteté académique. Il incombe par conséquent 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/](http://www.mcgill.ca/students/srr/honest/))."

**Dress Code:** Professionalism with respect to dressing is encouraged throughout the course of the semester. It is each student's responsibility to have appropriate attire during all class assignments and learning activities.

**Attendance:** Students are expected to attend all lectures and actively participate in class discussions. 10% of the course mark will be removed at the instructors' discretion for lack of participation and/or attendance.

**Right to submit in English or French written work that is to be graded:** In accord with McGill University's Charter of Students' Rights, students in this course have the right to submit in English or in French any written work that is to be graded.

*"Conformément à la Charte des droits de l'étudiant de l'Université McGill, chaque étudiant a le droit de soumettre en français ou en anglais tout travail écrit devant être noté (sauf dans le cas des cours dont l'un des objets est la maîtrise d'une langue)."*

**Consequences of not completing assignments as requested:** Assignments are to be submitted in hard copy at the end of class (3:30 pm) on the due date. Late or incomplete submission of assignments will be penalized per day, including weekends, as indicated in the marking scheme for each assignment.

**Disability:** If you have a disability please contact the instructor to arrange a time to discuss your situation. It would be helpful if you contact the Office for Students with Disabilities<sup>4</sup> at 514-398-6009 before you do this.

**Professional Conduct:** Professionalism and accountability are expected throughout the course of the semester. This includes the on-going respectful nature of teacher-student as well as student-student interactions.

**Technology in Class:** Your respectful attentive presence is expected, therefore while you are permitted to use your laptop in class, it is understood that you will not be using your laptop or cell-phone for social purposes during class time (e.g. email, msn, sms). Your cell phone should be on silence during class time and phone calls should only take place during the break or after class.