

EDKP 208: Biomechanics and Motor Learning (3 credits) Winter 2019

Coordinator: Caroline Paquette, PhD
Office: room 224, Currie Gymnasium
Phone number: (514) 398- 4184 x00890
E-mail: caroline.paquette@mcgill.ca
Office hours: Tuesdays 1-3PM, Thursdays 2-4PM or by appointment

Teaching Assistants: Dorelle Hinton
dorelle.hinton@mail.mcgill.ca
Alexandra Potvin-Desrochers
alexandra.potvin-desrochers@mail.mcgill.ca

Course Assistant - Tomlinson Engagement Awardee for Mentoring (TEAM):
Zachary Hazan
zachary.hazan@mail.mcgill.ca
Darelle Pool
darelle.pool@mail.mcgill.ca

Office hours: By appointment

Lectures (13 weeks)
Tuesdays & Thursdays 11:35-12:55 pm
Currie 408/9

Tutorials (13 weeks)
Thursdays 1:05-1:55 pm
Currie 304 (teaching lab)

Prerequisites: EDKP 293 Anatomy & Physiology
Restrictions: Not open to those who have taken or are taking EDKP 206

2. Learning Outcomes

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

1. Summarize the basic principles, applications and theoretical concepts in biomechanics and the acquisition of motor learning;
2. Teach and apply these concepts in education and sport situations;
 - a. Teach biomechanics/motor learning principles;
 - b. Analyze a sport skill qualitatively and apply motor learning principles to improve performance.

3. Course Content

Calendar (subject to minor changes)

Denotes oral presentations by students

	Biomechanics		Motor Learning		Review	
wk	date	Tu 11:35pm to 12:55pm	date	Th 11:35pm to 12:55pm	date	Th 1:05pm to 1:55pm
1	1/8	Introduction	1/10	Processing Information (Schmidt, Ch. 2)	1/10	Review (optional)
2	1/15	Forces (McGinnis, Ch. 1)	1/17	Attention and Performance (Schmidt, Ch. 3)	1/17	Review (optional)
3	1/22	Linear Kinematics (McGinnis, Ch. 2)	1/24	Sensory Contributions (Schmidt, Ch. 4)	1/24	Review (optional)
4	1/29	Linear Kinetics (McGinnis, Ch. 3)	1/31	Sensory Contributions (Schmidt, Ch. 4)	1/31	Review (optional)
5	2/5	72()-97				

4. Instructional methods

Lecture: PowerPoint presentations available through MyCourses

