

Western University
School of Kinesiology

KIN 2241A Biomechanics

COURSE OUTLINE 2016-17

CALENDAR DESCRIPTION

An introduction to qualitative and quantitative analysis of the mechanics of human movement in sport, exercise, dance, and workplace activities of daily life and adaptations made due to injury or disability. An emphasis is placed on understanding and identifying the physical principles that influence movement patterns and performance.

COURSE INFORMATION

Instructor: Professor Thomas J. R. T. < t@w.u.ca >

M, W, F 10:30-11:30 (TC 141)

SPECIFIC OBJECTIVES

Upon successful completion of this course, the student will have a understanding of the physical principles that influence the mechanics of human movement in

Assignment 5 Due Friday, October 14th at 10:30am
Assignment 6 Due Monday, October 24th at 10:30am
Assignment 7 Due Friday, November 11th at 10:30am
Assignment 8 Due Friday, November 18th at 10:30am
Assignment 9 Due Friday, November 25th at 10:30am
Assignment 10 Due Monday, December 2nd at 10:30am

Laboratory assignments

20%

Lab assignments are done by the student alone or with an informal group. This involves a prescribed physical activity that is performed by the student. The student then analyzes the biomechanics of the activity on the basis of their experience and their understanding of the course material. The assignment takes the form of a multi-page report. The due dates are subject to change. Labs are handed in at the beginning of lecture.

Lab 1: Due Wednesday, September 28th at 10:30am

Lab 2: Due Wednesday, October 7th at 10:30am

