



**M:** Course Objectives / Learning Outcomes

Following successful completion of this course, students shall be able to:

1. Apply their knowledge to effectively analyze human movement in everyday practice.
2. Analyze movement patterns and select, create, and implement strategies for improving performance.
3. Discuss, conclude and demonstrate the ability to perform quantitative movement analysis by utilizing available technology.
4. Relate their knowledge about basic biomechanics and motor control concepts to the model of qualitative movement analysis.

6. Practical applications using instrumentation of qualitative analysis to sport specific skills:
  - 6.1. Video technology
  - 6.2. Computer technology
  - 6.3. Use of instrumentation to evaluate performance intervention and improve performance.
  
7. Practical applications using instrumentation of qualitative analysis to sport specific skills:
  - 7.1. Video technology
  - 7.2. Computer technology
  - 7.3. Use of instrumentation to evaluate and improve kinetics and kinematics of specific sport related human movements.

**DOUGLAS COLLEGE SIGNATURE ELEMENTS:**Core Competencies:

- a. Oral, written and interpersonal communication:
  - Students will interact during group learning.
  - Students will present an article critique.
  - Students will present a complete movement analysis in oral and written formats.
  
- b. Computational and Information Technology:
  - Students will apply computer skills (word processing, spreadsheets, and presentations) throughout the course.
  - Students will become proficient in utilizing video and computer technology
  - Students will demonstrate proficiency in completing computer labs
  
- c. Critical and Creative Thinking:
  - Throughout the course, the critical thinking model by Roland Case (SFU) will be applied by the instructor as well as the students.
  
- d. Teamwork:
  - Emphasis is on partner, small group, and team work when preparing and completing various assignments.

Academic Signature

**P:** Textbooks and Materials to be Purchased by Students

Will be decided by course instructors. Potential resources include:

Knudson, D.; Morrison, C.S. (2002). Qualitative Analysis of Human Movement. 2<sup>nd</sup> Edition. Human Kinetics Pu-4(y)lis-4(a