

Inquiry and Measurement in Kinesiology

Kinesiology 304

Section: D100

Term: 2002 Fall

Instructor: Dr. Richard Ward

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Discussion Topics: This course covers the evaluation of measurement quality, test construction and assessment, and computer techniques for data capture and signal processing relevant to issues in Kinesiology. Prerequisite statistical knowledge will be put into practice when discussing typical research designs, modeling and hypothesis testing in Kinesiology.

Lectures and Labs:

The course will have a 3 one hour lectures each week with a weekly one hour lab in a computer teaching lab. In addition University Assignment Lab time will be reserved for each student.

Tutorials:

Tutorials will be held in a University Computer Teaching Lab. The T.A. will address skills and evaluation procedures necessary for the completion of the marked assignments. Numerous example data sets and analyses will be used.

Assignments:

Three marked assignments will be given. These assignments will require manipulation of real data using spreadsheet software and/or SPSS statistical software, in the areas of quality assessment of data, treatment and conditioning of data, and modeling.

Grading: Midterm - 20%

Assignments - 35%

Final Exam - 45%

Required Texts: Measurement and Evaluation in Human Performance: Morrow J.R. et al. Human Kinetics. 2nd Ed. 2000. Due to the breadth of the course, the required text will be complemented by documents downloadable from the course website.

Recommended Texts:

Materials/Supplies:

Prerequisite/Corequisite: Prerequisite:

Inquiry and Measurement in Kinesiology

KIN 142, 201, 205, 207, and STAT 201.

Notes: Course Website:

www.sfu.ca/~ward/Kin304.html (not active until first week of classes)

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