



# Course Outline

EXSCI1107 MEASUREMENT AND EVALUATION IN HUMAN MOVEMENT HM

<b>Title:</b>	MEASUREMENT AND EVALUATION IN HUMAN MOVEMENT HM
<b>Code:</b>	EXSCI1107
<b>Formerly:</b>	HM516
<b>School / Division:</b>	School of Health Sciences
<b>Level:</b>	Introductory
<b>Pre-requisites:</b>	Nil
<b>Co-requisites:</b>	Nil
<b>Exclusions:</b>	(HM517) (EXSCI1106 and EXSCI1108 and HM516 and HM518 and HM520)
<b>Progress Units:</b>	10
<b>ASCED Code:</b>	19999

## Objectives:

After successfully completing this course, students should be able to:

### Knowledge:

- Describe the general concepts of evaluation and measurement
- Define, describe, summarise and present test scores
- Describe the characteristics of reliable and valid quantitative and qualitative tests
- Describe the procedure for constructing sport skill and knowledge tests
- Describe the concepts associated with measuring sport & motor skills, attitudes and physical fitness among general and special populations
- Describe the ethical concepts associated with measuring and reporting
- Determine whether a relationship or difference exists among quantitative test scores
- Describe the general concepts of qualitative data analysis
- Describe the findings of a peer reviewed research article

### Skills:

- apply measurement techniques correctly
- select and/or establish appropriate tests for use in an evaluative process
- use basic computer software such as Excel and SPSS to successfully store data, perform analysis, and present results
- effectively perform basic analyses of quantitative and qualitative data
- report on test findings using correct APA referencing

### Values:

- Recognise the importance of appropriate evaluation and measurement in developing and monitoring any development program, e.g.,



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- coaching/teaching/instructional/rehabilitation environments
- Appreciate that measurement and evaluation are fundamental to all human movement sub disciplines
- Realise that correct collection and analysis of data are valuable skills for a human movement practitioner

### Content:

Lecture content will focus on content and its application, tutorial/laboratories will focus on application of theory, collection of data for student projects and group problem solving work

Topics may include:

- Nature, purpose and approaches of measurement and evaluation in Human Movement
- Measurement and evaluation in the psychomotor, health-related, affective and cognitive domains
- Differences between, and uses for, qualitative and quantitative measurement
- Data collection and collation
- Criteria for test selection
- Basic statistical tests - application and analysis
- Introductory Excel

### Learning Tasks & Assessment:

Learning Task	Assessment	Weighting
Tutorial/Laboratory attendance & participation	At least 90% attendance is required	S/U
Project work	Mini projects on selected topics	40 - 60%
Review of material presented in lectures, tutorials and readings	Theory exam	40 - 60%

### Adopted Reference Style:

APA

### Handbook Summary:

This course is designed to introduce students to the general concepts of evaluation and measurement for use in coaching, teaching, instructional and rehabilitation environments associated with the area of human movement. Construction and evaluation of physical activity tests in the knowledge, affective and psychomotor domains will be included in the course which will be conducted through a series of lectures, tutorials, laboratories and readings. Quantitative and qualitative analysis techniques will be used to assist in students appreciating the importance of evaluation and measurement for the development and monitoring of programs in human movement.