THE EDUCATION UNIVERSITY OF HONG KONG

Course Outline

Part I

Programme Title	: Bachelor of Education (Honours) (Physical Education)
Programme QF Level	: 5
Course Title	: Measurement and Evaluation in Physical Education
Course Code	: PES4247
Department	: Health and Physical Education
Credit Points	: 3
Contact Hours	: 39 (13 hours of lecture, 13 hours of computer laboratory work and 13 hours of practical application)
Pre-requisite(s)	: NIL
Medium of Instruction	: English
Course Level	: 4

Part II

The University's Graduate Attributes and seven Generic Intended Learning Outcomes (GILOs) represent the attributes of ideal EdUHK graduates and their expected qualities respectively. Learning outcomes work coherently at the University (GILOs), programme (Programme Intended Learning Outcomes) and course (Course Intended Learning Outcomes) levels to achieve the goal of nurturing students with important graduate attributes.

In gist, the Graduate Attributes for Sub-degree, Undergraduate, Taught Postgraduate, Professional Doctorate and Research Postgraduate students consist of the following three domains (i.e. in short "PEER & I"):

- **P**rofessional **E**xcellence;
- **E**thical **R**esponsibility; **&**
- **I**nnovation.

The descriptors under these three domains are different for the three groups of students in order to reflect the respective level of Graduate Attributes.

The seven GILOs are:

1. Problem Solving Skills
2. Critical Thinking Skills
3. Creative Thinking Skills

4a. Oral Communication Skills

4b. Written Communication Skills

5. Social Interaction Skills
6. Ethical Decision Making

7. Global Perspectives

1. Course Synopsis:

This course provides students with an opportunity to review the concepts and principles of measurement and evaluation in physical education. Emphasis is put on matching design with the need for evaluation and how information technology can be utilized to facilitate the process. Statistics essential to measurement in physical education is also discussed.

2. Course Intended Learning Outcomes ($CILO_s$)

Upon completion of this course, students will be able to:

$CILO_1$	understand the basic principles in the selection and construction of measuring instruments.
$CILO_2$	understand the measuring methods in the cognitive, affective and psychomotor domains of physical education.
$CILO_3$	use appropriate method for student grading and assessment
$CILO_4$	process and interpret both quantitative and qualitative data collected
$CILO_5$	develop critical, evaluative and reflective aptitude in physical education and sports

3. Content, CILOs and Teaching & Learning Activities

Course Content	CILOs	Suggested Teaching & Learning Activities
Overview of measurement and evaluation in physical education: purposes, types, administration, and grading methods.	$CILO_{1,3}$	Lecture Discussion
Selection and construction of tests in physical education: motor ability tests, sport skills tests, physical fitness tests, knowledge tests, and affective tests.	$CILO_{1,2}$	Lecture Practical Session
Applied statistics for physical education and sports studies.	$CILO_{3,4,5}$	Lecture Lab. Session
Application of information technology in data management and analysis.	$CILO_{3,4,5}$	Lecture Lab. Session Presentation

4. Assessment

Assessment Tasks	Weighting (%)	CILO
(a) Formative Assignments Formative assessment on the understanding of each lecture content	25%	$CILO_{1, 2,3,4,5}$

(b) Written test Participants are required to demonstrate their understanding in the principles of measurement and the ability to process and analyze data.	25%	*CILO*$_{1,2,3,4,5}$
(c) Group project and Presentation Participants are required to collaborate with their group members in designing a test on the psychomotor and cognitive domains of a chosen sport.	50%	*CILO*$_{1, 2,3,4}$

5. Use of Generative AI in Course Assessments

Please select one option only that applies to this course:

Not Permitted: In this course, the use of generative AI tools is not allowed for any assessment tasks.

☑ ***Permitted***: In this course, generative AI tools may be used in some or all assessment tasks. Instructors will provide specific instructions, including any restrictions or additional requirements (e.g., proper acknowledgement, reflective reports), during the first lesson and in relevant assessment briefs.

6. Required Text(s)

Miller, D.K. (2020). *Measurement by the physical educator: Why and how* (8th ed.). McGraw-Hill.

7. Recommended Readings

George, D. & Mallery, P. (2022) *IBM SPSS statistics 27 step by step: A simple guide and reference* (17th ed.). Routledge.

Gravetter, F. J., Wallnau, L. B., Forzano, L. A. B., & Witnauer, J. E. (2021). *Essentials of statistics for the behavioral sciences* (10th ed.). Cengage.

Lacy, A. C., & Williams, S.M. (2018). *Measurement and evaluation in physical education and exercise science* (8th ed.). Routledge.

Lund, J. L., & Veal, M. L. (2013). *Assessment-driven instruction in physical education: A standards-based approach to promoting and documenting learning*. Human Kinetics.

Morrow Jr, J. R., Mood, D. P., Zhu, W., & Kang, M. (2023). *Measurement and evaluation in human performance* (6th ed.). Human Kinetics.

Thomas, J. R. (2023). *Research methods in physical activity* (8th ed.). Human Kinetics.

許世全 (2015):《實用體適能測試與評估》，香港，陳湘記圖書有限公司。

8. Related Web Resources

學校體適能獎勵計劃

http://hkchf.hku.hk/PE Central

http://www.pecentral.org/

9. Related Journals

Measurement in Physical Education and Exercise Science

Research Quarterly for Exercise and Sport

10. Academic Honesty

The University upholds the principles of honesty in all areas of academic work. We expect our students to carry out all academic activities honestly and in good faith. Please refer to the Policy on Academic Honesty, Responsibility and Integrity (https://www.eduhk.hk/re/uploads/docs/00000000001633679892454 8BbN5). Students should familiarize themselves with the Policy.

11. Others

NIL