

THE EDUCATION UNIVERSITY OF HONG KONG

Course Outline

Part I

Programme Title	:	Doctor of Education (EdD)
Programme QF Level	:	7
Course Title	:	Research in Physical Education and Sports Science
Course Code	:	PES8265
Department	:	Health and Physical Education
Credit Points	:	3
Contact Hours	:	39 (5 contact hours, 34 hours of direct learning)
Pre-requisite(s)	:	Nil
Medium of Instruction	:	English
Course Level	:	8

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 Undergraduate, Taught Postgraduate and Research Postgraduate students consist of the following three domains (i.e. in short "PEER & I"):

- Professional Excellence;
- Ethical Responsibility; &
- Innovation.

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

The primary aim of the course is to educate students to become leaders in respective fields of physical education and sports science with the emphasis of research-informed and thorough understanding, inquiry and practices at critical and advanced level. Following this philosophy, various types of advanced design and analysis methods used in sports science and physical education research will be introduced. These include both laboratory-based and field-based research paradigms, which underpin contemporary physical education and sports science. As the methods to be described are at advanced level, the course can be considered a direct extension of the course in physical education research in the MEd programme.

2. Course Intended Learning Outcomes (CILOs)

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

- CILO₁ demonstrate an in-depth knowledge of how research and thorough inquiry can lead curriculum development and innovative practices in physical education and sports science and how to facilitate a culture of research within respective fields.;
- CILO₂ critically appraise current global and local physical education and sports science research and assess the level of evidence as well as limitations commonly found;
- CILO₃ understand the logic and arguments as well as research ethics on how to choose the most appropriate design, including both laboratory-based and field-based designs, for physical education and sports science research;
- CILO₄ choose the most appropriate analytic methods for research in physical education and sports science;
- CILO₅ organize, interpret and report data from physical education and sports science research.

3. Content, CILOs and Teaching & Learning Activities

Course Content	CILOs	Suggested Teaching & Learning Activities
1. Introduction to sports science and physical education research; and how the research improves conceptual understanding and practices of respective fields. The mechanisms and techniques by which physical education and sports science concepts and practice can be led by research will also be discussed.	CILO ₁	To be prescribed by individual lecturers.

2. Critical appraisal methods of research in physical education and sports science, especially those related to elements involving time, space, equipment, teacher/student or coach/athlete climate and teaching/coaching and learning behaviours etc.	<i>CILO</i> _{2,3}	To be prescribed by individual lecturers.
3. Research designs useful for identifying issues, problems and research ethics in physical education and sports science.	<i>CILO</i> ₃	To be prescribed by individual lecturers.
4. Laboratory-based and field-based research methods commonly used in sports science and physical education.	<i>CILO</i> _{2,4}	To be prescribed by individual lecturers.
5. Data analysis and report techniques useful for analysing sports science and physical education research data.	<i>CILO</i> ₅	To be prescribed by individual lecturers.
6. Common limitations found in sports science and physical education research.	<i>CILO</i> _{2,3}	To be prescribed by individual lecturers.

4. Assessment

Assessment Tasks	Weighting (%)	CILO
(a) Literature review on a selected topic in sports science or physical education (1000 words)	25	<i>CILO</i> _{1, 2}
(c) Design, by writing a proposal, a research project in sports science or physical education through critical appraisal of research methodologies (1500 words)	60	<i>CILO</i> _{1, 2, 3, 4, 5}
(d) Oral presentation of the project in Item #(b) above	15	<i>CILO</i> _{1, 2, 3, 4, 5}

5. Required Text(s)

Nil

6. Recommended Readings

- Armour, K. (2011) *Sport Pedagogy: An Introduction for Teaching and Coaching*. Routledge.
- Curriculum Development Council and Hong Kong Examinations and Assessment Authority (2007). *Physical education curriculum and assessment guide. (Secondary 4-6)*. Hong Kong: Government Logistic Department.
- Darst, P.W, Zakrajsek, D.B., Mancini, V.H.(Eds) (1989). *Analyzing physical education and sport instruction*, Champaign Illinois: Human Kinetics.

Education Bureau (2017). *Physical Education Key Learning Area Curriculum Guide (Primary 1 – Secondary 6)*. The Curriculum Development Council. The Education Bureau HKSARG 2017.

Fukuda, D.H. (2018). *Assessment for sport and Athletic performance*. Champaign Illinois: Human Kinetics.

Mcfee, G. (2010). *Ethics, knowledge and truth in sport research: An epistemology of sport*. USA, Canada: Routledge.

Physical Education Section, Curriculum Development Institute, Education Bureau, The Hong Kong Administrative Region. (2008). *Physical education learning outcomes framework*. Hong Kong: Government Logistic Department.

Thomas, J.R. Nelson, J.K., & Silverman, S.J. (2015). *Research method in physical activities*. Australia: Human Kinetics.

Williams, C, & Wraff, C. (2004). *Data analysis and research in sport and exercise science: A student guide*. London and New York.

7. Related Web Resources

<http://www.pecentralstore.com/>

<http://www.pecentral.org/assessment/assessmentresearch.html>

8. Related Journals

To be prescribed by individual lecturers.

9. Academic Honesty

The University adopts a zero tolerance policy to plagiarism. For the University's policy on plagiarism, please refer to the *Policy on Academic Honesty, Responsibility and Integrity with Specific Reference to the Avoidance of Plagiarism by Students* (<https://www.eduhk.hk/re/modules/downloads/visit.php?cid=9&lid=89>). Students should familiarize themselves with the Policy.

10. Other

Nil