

SARVAJANIK UNIVERSITY

DOCTOR OF PHILOSOPHY

Ph.D		Semester	2	Teaching Scheme				Evaluation Scheme	
Subject Name	Paper 3 Physical Education Coursework			L	T	P	Credits	CCE	SEE
Subject Code	PHPE11201			4		-	4	50	50
Type of course	Theory			CCE : Continuous and Comprehensive Evaluation SEE : Semester End Evaluation					
Prerequisite	Academic Eligibility, Research proposal, Critical Thinking, Academic Writing Skills.								
Rationale	statistical tools and related procedures, writing interpretations, physiological aspects of coaching and training, interpret research, writing interpretations								

Course Outcomes (COs): At the end of the course, students will be able to		Marks % Weightage
CO – 1	Understand psychological and physiological aspects of coaching and training.	25
CO – 2	Apply qualitative and quantitative research methods and tools.	25
CO – 3	Analyze and interpret research data using statistical techniques.	25
CO – 4	Develop and implement assessment methods for sports performance.	25

Course Contents			
Unit	Content	Tentative Teaching Hours	Tentative Unit Weightage %
1	Coaching and Training Aspects in physical Education and Sports ➤ Application & human psychology in training and coaching. ➤ Factors affecting on coaching and training. ➤ Recent aspects & coaching training. ➤ Bioenergetics, ATP Resynthesis, Energy Systems in Exercise	15	25
2	Different types of Research Methods and tools ➤ Quantitative Research ➤ Qualitative Research ➤ Data collection tools ➤ Statistical tools ➤ Interpretation, discussion & conclusions	15	25
3	Research Data, Analysis & interpretation	15	25

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	➤ Parametric & non-parametric data ➤ Data collection tools ➤ Descriptive and Inferential Statistical tools ➤ Interpretation of data & deriving conclusions		
4	Evaluation in Physical Education and Sports : ➤ Construction & tests and its application. ➤ Statistical measures in physical education and sports. ➤ New measures in sports and games.	15	25

Suggested Specification table with Marks

% Distribution of Marks					
R Level	U Level	A Level	N Level	E Level	C Level
10	20	20	20	20	10

Legends: R: Remembrance, U: Understanding; A: Application, N: Analyze, E: Evaluate C: Create and above Levels (**Revised Bloom's Taxonomy**)

Recommended Reference Books

1. Alok Ghosh : hand goal of sports medicine and physical fitness.
2. Bucher: Foundation and Physical Education.
3. Katch : Exercise physiology, Energy, nutrition and human performance- Henerykimpson U. K. 1981.
4. Bucher: Bio-mechanics of Sports techniques.
5. Psychology in sports – by Richard in suing, published by – Surjeet publications
6. Subramanian, R, Thirumalai Kumar S & Arumugam C (2010) Research Methods in Health, Physical Education and Sports, New Delhi; Friends Publication

Ph.D.		Semester	2	Teaching Scheme				Evaluation Scheme	
Subject Name	Paper 4 Seminar			L	T	P	Credits	CCE	SEE
Subject Code	SUPH11201			-	-		2	25	25
Type of course	Term paper			CCE : Continuous and Comprehensive Evaluation SEE : Semester End Evaluation					
Prerequisite	Academic writing skills, effective literature review , extensive literary reading								
Rationale	Thesis statement and logical argumentation, substantial research findings.								

Seminar outcomes	
1	Demonstrate the ability to conceptualize and develop a structured term paper.
2	Exhibit proficiency in academic writing conventions and research methodologies.
3	Produce a well-organized, evidence -based, and original academic paper.
4	Confidently present and defend their research work in front of peers and faculty.

Recommended References	
1	Writing for Academic Success by Gail Craswell & Megan Poore
2	The Craft of Research by Wayne C. Booth, Gregory G. Colomb & Joseph M. Williams
3	They Say/ I Say : The Moves that Matter in Academic Writing by Gerald Graff & Cathy Birkenstein