

MOTHER TERESA WOMEN'S UNIVERSITY KODAIKANAL - 624101

DOCTOR OF PHILOSOPHY (Ph.D.)

DEPARTMENT OF PHYSICAL EDUCATION

COURSE WORK EXAMINATION SYLLABUS

SL NO	NAME OF THE PAPER
1	RESEARCH METHODOLOGY
II	PSYCHOLOGY AND PHYSIOLOGY OF PHYSICAL EDUCATION (COMMON PAPER }
III	(AREA PAPER}
1	SPORTS AND GAMES OF PHYSICAL EDUCATION
2	HEALTH EDUCATION AND SPORTS NUTRITION
3	SPORTS MEDICINE AND INJURIES
4	TEST AND MEASUREMENT IN PHYSICAL EDUCATION
5	YOGA PRACTICE AND PHYSICAL FITNESS
6.	SPORTS BIOMECHANISAM IN PHYSICAL EDUCATION
7.	THEORY AND METHODS OFSPORTS TRAINING

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PAPER I Research Methodology

Objectives:

- 1. To study an overview of research processes**
- 2. To understand the concept of statistical tools in research**
- 3. To be appropriate statistical tools in research**

UNIT -1

RESEARCH: -Meaning- Need-Nature and scope of Research in Physical Education-Characteristics of a good research- Fundamental- applied and action research-Review of literature-Importance-location of the research material – index- books- bibliography-reviews and abstract- critical literature and allied literature-Steps in reviewing literature-Scanning and Skimming

UNIT – II

RESEACH PROBLEM -Identification of area for research in Physical Education -Selection of problem- Delimitation - operationalization of variables –Hypothesis-Meaning and Importance-Characteristics of good hypothesis- Types of hypothesis

UNIT – III

METHODS OF RESEARCH-Historical,-Descriptive- Experimental- Philosophical Research design-Meaning of research design and its importance- Type of research design

UNIT – IV

SAMPLING-Concept of population and sample, Method of sampling: Probability and non-probability-Tools & techniques-Characteristics of a good research toolsQuestionnaire-Interview Observation, Psychological Test, Sociometric Techniques Attitude Scale-Inventories

UNIT – V

REPORT WRITING- Developing research proposal (synopsis)- Statistics: Sampling Distribution, Null Hypothesis- Alternative Hypothesis. Testing the Significance of difference between means (z and „t“ test), Analysis of Variance (ANOVA) and Analysis of covariance (ANCOVA) - concept , applications-and Ethics in Physical Education

REFEREBCCE

1. Aggarwal, Y.P.(1998), The Science of Educational Research, A Source book, Nirmal, Kurukshetra
2. Garrett, H.E.(1973),Statistics in Psychology and Education Vakils, Feffer and Simon, Bombay.
3. Good: C.V and Douglas, E.Scates 1954, Methods in social Research, Mcgraw Hill, Newyork.
4. Kou, Lokesh (1988), Methodology of Research , Vikas, New Delhi
5. Mouly, A,J.(1963), The Science of Education Research Eurosia, New Delhi