

· Descriptive and Inferential Statistical tools

3.4 Interpretation of data & deriving conclusions

Unit 4: Sampling, Research Design and Computer Application

4.1 Meaning of Research Design, its types and importance

4.2 Concept of Population and Sample

4.3 Methods of Sampling

4.4 Role of computer for research in physical Education, Use of Computer based Statistical Tools.

Unit 5: Course Related Practical Work, Literature Review and Field Work

Suggested Readings:

1. Barrow, H.M. (1979). *Practical Approach to Measurement in Health & Physical Education*. (3rd ed.). Philadelphia: Lee & Febiger
2. Best, J.W. & Kahn, J.V. (2006). *Research in Education*. (10th ed.). New Delhi: PHI
3. Clark, D. H. & Clark, H. H. (1979). *Research process in Physical Education, recreation & health*. Englewood Cliffs: prentice Hall.
4. Johnson, B. & Christensen, L. (2008). *Education Research, Quantitative, Qualitative and Mixed Approaches*. (3rd ed.). Sage Publication: England.
5. Miller, David. K. (2002). *Measurement by the Physical Educator*. New York: McGraw Hill companies.
6. John & Nelson (1998). *Practical Measurements for Evaluation in Physical Education*. Delhi: Surjit Publication.
7. Sprinthall, R.C. (1997). *Basic statistical Analysis*. (5th ed.). USA: Allyn & Bacon
8. Thomas, J. R. & Nelson, J. K. (2001). *Research Methods in Physical Education*, (4th ed.). USA: Human Kinetics.
9. Vincent, W.J. *Statistics in Kinesiology*. Campaign: Human Kinetics