

Syllabus of Ph-D. Course Work

Subject- Ph.D. Forestry & Wildlife

The one semester course work for Ph. D. research as has been made mandatory by the UGC during the Eleventh plan period is followed by the School of Studies in Forestry & Wildlife, Bastar Vishwavidyalaya, Jagdalpur. The DRC of the Department has decided to prescribe a course work comprising of three papers. Each paper will be of 100 marks. Internally mark distribution for different papers may vary. The internal examination which will be taken by the supervisors will consist of two assignments.

Course Structure

S. N.	Title of Paper	Marks Distribution			Total Marks
1	Research Methodology	40 marks for Objective types Question (MCQ)	40 marks for short answer question	Two Assignment 10+10 = 20 Marks Teaching Bibliography writing/ written assignment, class test etc.	100
2	Contemporary/Advanced Studies	40 marks for Objective types Question (MCQ)	40 marks for short answer question	Teaching Bibliography writing/ written assignment, class test etc.	100
3	Review/Presentation	(Total 40 marks)- 20 marks for Review of Literature & 20 marks for Synopsis in Proposed Research	(Total 40 marks)- 20 marks for Presentation-I (10 marks for written paper & 10 marks for power point presentation) & 20 marks for Presentation-II (10 marks for written paper & 10 marks for power point presentation)	Teaching Bibliography writing/ written assignment, class test etc.	100
Total Marks					300

Paper- I: Research Methodology

(100 marks)

Objective:

1. The course aim to teach students the basics of research skills and academic writing.
2. The students will be trained in the formal aspect of research methods, selection and phrasing of the topic, collection and ordering of the materials and finally giving them an organic whole.

Unit- I: Fundamentals of research: Basic principles of research. Theory building, facts, concepts, constructs and definitions of Biological data, Preparation of proposal, formation and types of hypothesis and testing of the hypothesis, research designs, sampling designs, methods, techniques.

Unit -II Quantitative Method: Use of quantitative method in research, data collection, data analysis, tabulation and graphical representation.

Unit- III: Design of experiment and sampling techniques: Concept and principle of design of experiments. Statistical tests- t- test, F- test, Z- test etc. Non Parametric tests- Chi-square test.

Unit- IV: Central tendency, dispersion, correlation, regression and Significance of correlation coefficient, significance of regression coefficient. Use of chi square, steps involved in applying chi—square test, non parametric, testing of hypothesis for non parametric data

Unit- V: Computer application for research: Word processing, data processing, graphical processing. Uses of web tools for research analysis like excel, SPSS, use of graphical software and use of multimedia tools.

Suggested Reading:

- Gupta S.C, Fundamentals of Statistics, Himalaya Publication House, Bombay
Rajaram V. (1996), Fundamentals of computers, Prentice Hall of India, New Delhi
Sanders D.H. (1981), Computer Today, McGraw Hill, New York.
Sinha P.K. (1992), Computer Fundamentals, BPB Publications, New Delhi.
Engalhart Max D. (1972), Methods of educational Research, Rand McNally and Company, Chicago.
Coburn Peter and others (1982), Practical guide to Computers in Education, Addison Wesley Publication Company, California
Entustle, N.J. (1974), The Nature of Educational Research, Educational studies, A third level course,
Methods of Educational enquiry, Block 1, The Open University Press, Walton Hall, Milton Kenya.
Galtung Johan, (1974), Theory and Methods of Social Research, George Allan and Unwin Ltd., New Delhi

- K thari C.R.,(2008), Research Methodology- Methods and Techniques, Wiley and Eastern Ltd.,
New Delhi,
- Mason Emanuel J. and William J. Bramble (1978), Understanding and Conducting Research,
Applications in education and the Behavioral Sciences, McGraw Hill Book Company, New York
- Mouly George J. (1964), The Science of Education Research, Eurasia Publishing House, New
Delhi.
- William Philip at. Al (1973), Evaluation and Assessment of educational Studies: A third level
course methods of educational enquiry, The Open University Press, Walton Hall
Blethaley Buckinghamshire