

Govt. Girls' P. G. College, Ujjain
College of Excellence – 'A' Graded from NAAC

Ph.D. Course Work

Department of Home Science and Research Centre will have choice based credit system (CBCS) in Ph.D. course work according to ordinance no. 11.

Course and Examination Structure

S. No.	Paper	Nomenclature/ Title of the paper	Marks Distribution			
			Internal Examination marks	University Examination marks	Total	Credits
1.	Home Science - 01	Research Methodology	40	60	100	4
2.	Home Science - 02	Review of Published Research in the relevant field	40	60	100	3
3	Home Science - 03	Computer Application	40	60	100	3
4.	Home Science - 04	Advance course in Home Science	40	60	100	3
5.	Home Science - 05	Comprehensive Viva Voce	-	100	100	3
Total			160	340	500	16

Notes :-

- The Candidate has to obtain a minimum of 55% of marks or its equivalent grade points in aggregate in the course work in order to be eligible to continue in the Ph.D. programme.
- If a candidate obtain 'F' or Ab grade in the course/ subject. She will be treated to have failed in the course. She has to reappear in the examination in the next semester.
- If candidate further fails in course she shall not given another chance and shall be out of the Ph.D. programme.
- No student shall be allowed to repeat the course to improve the grade if she passes the course.

VIKRAM VISHWA VIDHYALAYA UJJAIN

Ph.D. Course Work

[As per Ph.D. Ordinance No.11]

Home – Science - 01

Research Methodology

- Meaning of research, objective of research. Types of research, Criteria of good research.
- Research problem, selecting of problem necessity of defining the problem, Technique involved in defining problem.
- Meaning of research design, feed for design, Features of good design, Variables - Dependent and Independent Extraneous variable.
- Hypothesis- Meaning, definition, Types, significance of Hypothesis,
- Experimental and control groups.
- Data collection - Primary and secondary data.
- Quantitative and qualitative data classification of measurement scales : Nominal scale, Ordinal Scale, Interval Scale, Ratio Scale:
- Validity, Reliability.
- Sampling Techniques, Sampling Vs Census. Probability and Non Probability methods. Sample Size, Sampling error
- Data Analysis and Interpretation - hypothesis Testing, Sampling, Distribution, Standard error. Tests for Large and Small Samples, Parametric and Non-Parametric Tests.
- Classification of data, Tabulation, Diagrammatic and Graphical representation of data Bar Chart, Pie Chart, Box Plot, Histogram, frequency polygon, frequency curve
- Report Writing : Report writing, Research proposal.

Home Science -02

Review of published Research in the relevant field

(M/M - 10)

Home Science -03

Computer Application

- What is computer : Introduction of windows XP, Components of computer system : Central Processing Unit, Keyboard, Mouse and VDU, input and output devices, computer memory
- Concept of Hardware and Software : Some permanent Icon of the Desktop, Window explorer.
- MS Office : Introduction, Microsoft word, Microsoft excel, Microsoft access, Microsoft power point using p.p. opening, saving
- Introduction to internet, www and web browsers : Introduction, objectives, Basic of computer networks, local area network(LAN), Wide area network. Internet : concept, application of internet in research, connecting to the internet, troubleshooting. World wide web, search engine, understanding URL
- Introduction to SPSS : Method of preparing data sheet and entering data according to its characteristics, use of various statistical tools.

Home Science -04

Advance Course in Home Science

- Introduction to Extension and Communication : Meaning, Need, Objectives, Principles of Extension Education, Audio aids - Radio, Recording, Micro Phone, Audio Visual - Puppets, Drama, T.V. Programme, Film, Folk dance, Song etc., Use of computer in extension activities, Women development - Personal, Familial, societal and national perspectives, Gender Analysis - Concept of Gender distinct from Sex, Gender Issues, Inequalities and Discrimination.
- Meaning & Definitions of family Resource Management management of Human Resources : Classification of Resources, Characteristics of Resources, Theories of management-management process.
Housing : Interior design, Principles of Interior design, Various colours and colour schemes, Household equipment - selection and care.
Soft Furnishing - their selection, objective of interior decoration, factors influencing furnishing decisions, Principles of decoration, Role of colours in soft furnishing.
- Assessment to nutritional Status - Optimum or Adequate Nutrition good Nutrition, Under Nutrition, Malnutrition , Methods of Nutritional Assessment.
Nutrients - Definition, Types of Nutrients - Energy, Carbohydrate, Protein, Fats, Vitamin and Minerals, Water (Sources, functions & deficiency symptoms, -Hormones-mechanism. Recommended Dietary allowance,, ICMR-2020, General Principles of deriving RDA, Practical application of RDA, Indian Standards for Heights & weight Body Pass Index.
- Human development : A brief overview of developmental stages of human development, Methods of studying Human-development-Interview observation, case study, Individual differences-Importance and Areas of individual differences. Characteristics of Infancy, childhood (Early & late) Adolescence adulthood and old age/elderly people.
Heredity and environment - Meaning of Heredity, Carries Heredity, Conception process sex determination, Study of Heredity, effects, concept of environment, Study of environments effects. Learning and Maturation - Concept of Learning and Maturation, Studies of learning & Maturations, Role of learning and maturation in child development, effects of maturation on growth, Types of Maturation, Relation between learning and maturation.
Body measurement for different age group and its importance, Preparing measurement chart, Fashion – Definition, theories, terms related to fashion, Study of basic design, Feature in costume.

P. K. J.

Head of Deptt.

Department of Home Science & Research Centre.
Govt. Girls P.G. College, Ujjain