



RAJA MAHENDRA PRATAP SINGH UNIVERSITY
ALIGARH

Pre- Ph.D. Coursework
SYLLABUS

Home Science

National Education Policy - 2020

(W.E.F. 2025 - 26 ONWARDS)

Pre Ph.D Course

Subject: Home Science		
Course Code: ----	Course Title: Paper I Research Method In Home Science	Theory
Course Objectives: Understand the fundamental principles and techniques of methodology concerning research Acquaint student with understanding, development and testing of Hypothesis Develop understanding of construction tools in home science. Prepare research tools applicable to developmental issues. Understand meaning, process and importance of research in Home Science. Select problem tools and methods for conducting research. Develop inclination in preparing report as well as project proposals. Understand of applications of statistics in SPSS.		
Credits: 4		Core Compulsory
Max. Marks: 100		Min. Pass Marks:55
Total No. of Lectures-Tutorial (in hours per week): L-T: 4-1		
Unit	Topics	No. of Lectures 60
I	- Research: Meaning, Definition, Nature, Type, Scope and Significance, Historical Research, Survey Research, Methodology Research, Field study, Field Experiment, Descriptive & Experimental Research - Identification of Problem and Delimitation of Research Problem	12
II	- Objectives and Hypothesis: Concept, Types and formulation Process - Variables: Nature and types of variables, - Sample & Sampling Techniques - Tools and Techniques of Data Collection - Questionnaire, Interview, Schedule, Case Study, Observation, Establishing the reality and validity of tools constructed adopted	14
III	- Review of Literature, Paraphrasing, Citation. - Tabulation of Data. - Analysis and Interpretation of Data	10
IV	- Preparation and presentation of Research Report : Chapterization. - Preparation of Synopsis/ research proposal and its role in Research - Research Ethics : Originality, Plagiarism . - Bibliography and References	12
V	- Use of SPSS for Data Analysis - Data retrieving in the subject of Home Science through various online resources such as DELNET (Developing Library Network).	12

	INFLIBNET (Information and Library Network), OPAC (Online Public Access Catalogue), Shodh Sindhu	
Teaching Learning Process: Class discussions/ demonstrations, Power Point presentations, Class activities/ assignments, Field visits., Internship, etc.		
Suggested Readings:		
1. Creswell, W.: Research Design, Qualitative, Quantitative and Mixed Methods Approaches (3rd Edition), SAGE, Inc., 2018. 2. Gupta, S: Research Methodology: Methods and Statistical Techniques, Deep & Deep Publications, 2010. 3. Gupta, S.P.: Statistical Methods, Sultan Chand & Sons, 2014. 4. Kumar, R: Research Methodology: A Step-by-Step Guide for Beginners (3rd Edition), SAGE, Inc., 2011. 5. Melville, S. and Goddard, W.: Research Methodology: An Introduction (2nd edition), Juta Academic, 2004. 6. Shortis, T.: The Language of ICT: Information and Communication Technology, Taylor & Francis, 2016. 7. Research Methodology: Methods and Techniques by C.R. Kothari, Second revised edition 8. Research Methodology: A step by step guide for beginners by Ranjit Kumar 9. Research methodology: Methods and Statistical techniques, by Santosh Gupta 10. Statistical Methods, by S.P. Gupta 11. Research Design, Qualitative, Quantitative and mixed method approaches, by W. Creswell, 3rd edition. 12. Information Communication Technology, by Tim Shorts Handbook of Communication and Social Interaction Skills, by John O. Green, Brant Raney Burleson 13. शोध प्रविधि - डॉ॰ विनय मोहन शर्मा 14. अनुसंधान प्रविधि, सिद्धांत और प्रक्रिया - एस॰एन॰ गणेशन 15. अनुसंधान प्रविधि - डॉ॰ एस॰एन॰ राय 16. अनुसंधान की प्रविधि एवं प्रक्रिया - डॉ॰ राजेन्द्र मिश्र 17. साहित्य अनुशीलन: विभिन्न दृष्टियाँ - डॉ॰ दया शंकर शुक्ल 18. अनुसंधान प्रविधि और प्रक्रिया - डॉ॰ मुध खराटे/डॉ॰ शिवाजी देवरे		

Subject: Home Science		
Course Code: -----	Course Title: Paper 1 Recent Advances and Research Trends In Home Science	Theory
Course Objectives: Motivate for the use of Computers in research. Understanding Meaning of research in Home Science. Develop the understanding interdisciplinary research government effort and policies related to home science. Prepare a research proposal that could be submitted various funding agencies. We aware of various trends of research in the different areas of Home Science.		
Credits: 4		Core Compulsory
Max. Marks: 100		Min. Pass Marks: 55
Total No. of Lectures-Tutorial (in hours per week): L-T: 4-1		
Unit	Topics	No. of Lectures 60
I	Basic knowledge of Computer operation. Knowledge of Microsoft word and excel and other Software applicable in Home science research,	12
II	Application of Microsoft Power point - preparation of a powerful presentation, adding test graphics, pictures and tables to the presentation; Editing and formatting a presentation	12
III	Funding & opportunities for Research Scholar, Essentials for a funded proposal, : Key aspects of drafting Research proposal, of UGC and ICSSR. Research proposal. : Indian Journal funding Agencies.	12
IV	: Changing pattern in diet of children, adolescents, adults in old people in and rural and urban area. : Common health problems related to health, hygiene and nutrition in Indian population. : Impact of socio-economic environment on family and community.	12
V	New development in fibre manufacturing in India- Eco friendly and bio degradable fibres. Common problems during various stages of life cycles and its effects of the development. Adolescents - Problems and Adjustments in carrier, marital life and family Impact of social media on Academic achievement and their life. Evaluation of Extension Education programmes related to Home Science.	12

	Concept of Inter disciplinary and Recent trends Research in home Science.	
VI	Thirst areas of food & Nutrition and Dietetics, Clothing and textile human development, Resource management and Extension education and Community management.	12
Teaching Learning Process: Class discussions/ demonstrations, Power Point presentations, Class activities/ assignments, Field visits., Internship, etc.		
Suggested Readings:		
1. . Ranjit, K. "Research Methodology-a step-by-step guide for beginners", Sage Publications, New Delhi. 2011. 3rd Edition 2. Kumar, B., & Thakur, S. (Eds.). "Textiles for Advanced Applications". InTech. doi: 10.5772/66015.2017 3. Bryan, V.C. Handbook of Research on Human Development in the Digita Age(Advances in Human and Social Aspects of Technology (AHSAT), 2017, IGI Global 4. Henry, J (Ed)., "Advances in Food And Nutrition Research", Academic Press (Elevier), Amsterdam, 2013, 1st Edition. 5. Lester, J.D & Lester, j.D.(Jr). "Writing Research papers -A complete Guide". Pearson Educational Limited, England.2015.15th Edition. 6. शोध प्रविधि - डॉ° विनय मोहन शर्मा 7. अनुसंधान प्रविधि, सिद्धांत और प्रक्रिया - एस°एन° गणेशन 8. अनुसंधान प्रविधि - डॉ° एस°एन° राय 9. अनुसंधान की प्रविधि एवं प्रक्रिया - डॉ° राजेन्द्र मिश्र 10. साहित्य अनुशीलन: विभिन्न दृष्टियाँ - डॉ° दया शंकर शुक्ल 11. अनुसंधान प्रविधि और प्रक्रिया - डॉ° मुध खराटे/डॉ° शिवाजी देवरे		