



Hemchandracharya North Gujarat University, Patan

PH.D. COURSE WORK SYLLABUS

SUBJECT : HOME SCIENCE

Scheme & Course

Sr.	Paper	Nomenclature	Credits	Marks
1.	Paper-I-HOME_SCI-CW-101	Research Methodology	04	70+30
2.	Paper-II-HOME_SCI-CW-102	Advance Course in Home Science	04	70+30
3.	Paper-III-HOME_SCI-CW-103	Computer Applications in the subject	04	70+30
4.	Paper-IV-HOME_SCI-CW-104	Review of published research in the relevant field	04	70+30
5.	Paper-V-HOME_SCI-CW-105	Comprehensive Viva	04	100

Notes:

1. 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.
2. If candidate obtains 'F' or 'Ab.' grade in the course/ subject. He/ she will be treated to have failed in that course. He/ She has to reappear in the examination in the next semester.

Paper-I	HOME_SCI-CW-101	Research Methodology	Credit-4 (70+30)
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- ⇒ 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 : Nominal scale, Ordinal Scale, interval Scale , Ratio Scale;
 - Validity , Reliability
 - Sampling Techniques, Sampling Vs Census. Probability and Non Probability methods Sampling 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



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Paper-II HOME_SCI-CW-102 Advance Course in Home Science Credit-4 (70+30)

- ⇒ 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 Recourses, Characteristics of Resources, Theories of Management-Management process.
- ⇒ Housing : Interior design, Principles of Interior design, Various colours and color schemes,
- ⇒ Household equipment - selection and care.

Paper-III HOME_SCI-CW-103 Computer Applications to the subject Credit-4 (70+30)

- ⇒ 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 pint using p.p.opening, saving
- ⇒ Introduction to internet, www and web browsers: Introduction, Objectives, Basis 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.

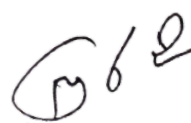
Paper-II HOME_SCI-CW-104 Review of Published research in the relevant field Credit-4 (70+30)

For this paper candidates will have to review literature in an area of research, prepare a research proposal and submit a report to the University at the end of the course work. The selection of the problem and preparation of the proposal will be in consultation with research guide.

Paper-V HOME_SCI-CW-105 Comprchensive viva voce Credit-4 (100)

Candidate will face a Comprehensive Viva-Voce of 4 credits on the subject of Research Methodology, Advanced Course in Home Science and literature review report submitted to the university. The Presentation will have to be made by the candidate and it will need to be prepared in consultation with research guide.




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