

BASICS OF RESEARCH IN NUTRITION

Sem	Subject Code	Category	Lecture		Theory		Practicals	Credits
IV	19SNF5A	Skill based Paper III	Hrs/sem	Hrs/Per week	Hrs/sem	Hrs/Per week	-----	2
			30	2	30	2		

OBJECTIVES:

1. To understand the meaning and importance of research.
2. To develop awareness regarding the basic elements of research
3. To develop understanding regarding the characteristics of a good tool of research.

COURSE OUTCOMES

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level (K1-K4)
CO1	General Concepts on Research	K1,K2, K3, K4
CO2	Basic Elements of Research	K2, K3, K4
CO3	Survey Research	K2, K3, K4
CO4	Simple Statistical Methods	K2, K3, K4
CO5	Techniques of Writing Reports and Documentation	K2, K3, K4

Knowledge level: K1 – Remember, K2-Understand, K3- Apply, K4-Analyse.

MAPPING WITH PO

COS	PO1	PO2	PO3	PO4	PO5
CO1	M	M	S	S	S
CO2	M	M	S	S	S
CO3	M	M	S	S	S
CO4	M	M	S	S	S
CO5	M	M	S	S	S

S-Strong; M-Medium, L- Low

UNIT- I

6 Hours

Introduction To Research Definition of research, Need for research, Types of research –Pure, applied, Exploratory, Descriptive, Action and evaluative. Identification of a research topic Formulation of research questions.

UNIT -II

6 Hours

Basic Elements of Research and their Importance Review of literature, Objectives, Assumptions and hypothesis Limitations, Sampling and sampling methods, Tool construction Analysis and Interpretation.

UNIT - III

6 Hours

Survey Research-Meaning, Importance,Advantages, Limitations Tools for research – Interview schedule, questionnaire, Check list, Rating scale Characteristics of a good tool - Validity, reliability, objectivity, Practicability.

UNIT- IV

6 Hours

SIMPLE STATISTICAL METHODS

Classification and organisation of Data- Coding ,Tabulation, Graphic presentation, Simple statistical measures- Percentages, Mean, Mode ,Median Standard deviation.

UNIT -V

6 Hours

TECHNIQUES OF WRITING REPORTS AND DOCUMENTATION

Research report- Meaning, purpose,Characteristics, Steps in planning report writing, Research report format – Prefactory items, body of the report – Introduction, design of the study,results: Findings, discussion, Summary, conclusion, and recommendations.Terminal Items – Bibliography – writing format.

Distribution of Marks: Theory –50 (univ. exam) = 50 Marks

TEXT BOOKS:

S.NO	AUTHORS	TITLE	PUBLISHERS	YEAR OF PUBLICATION
1	Krishnaswami,O.R .	Methodology of research in social sciences	Himalaya Publishing House.	2011
2	Gupta,S.P.	Statistical Methods. Publication Manual . 6th edition.	American Psychological Association.	2014

REFERENCE BOOKS:

S.NO	AUTHORS	TITLE	PUBLISHERS	YEAR OF PUBLICATION
1	Kothari C. R and Gaurav Garg	Research Methodology and Methods and Techniques	New Age International	2018

WEB SOURCES:

Link:<https://www.nutrition.org.uk/healthyliving/basics.html>

TEACHING METHODOLOGY

- Chalk and board teaching
- Study Assignment method
- Active learning method
- Group discussions
- PPT
- Seminars
- Other Group activity

SYLLABUS DESIGNER:

- Ms. R. TAMILSELVI, Head and Assistant Professor, Department of Foods and Nutrition