

ST TSEPHENS HOSPITAL COLLEGE OF NURSING  
B.SC. (HONS.) NURSING THIRD YEAR  
UNIT PLAN

**SUBJECT: NURSING RESEARCH & STATISTICS**

Unit-I

Title- Research & Research Process  
Faculty- Ms. SheljyShajan

Unit	Specific Objective	Time (Hrs)	Contents	A V AIDS	Teaching Learning Activities	Assessment Methods
I	At the end of the unit student will be able to <ul style="list-style-type: none"> <li>• Describe the concept of research</li> <li>• Define the terms of research</li> <li>• Explain the steps of research process</li> </ul>	04 Hrs	<b>Research &amp; Research Process</b>			
		1 hr	<ul style="list-style-type: none"> <li>• Introduction and need for nursing research</li> <li>• Definition of Research terms</li> </ul>	<ul style="list-style-type: none"> <li>• Over head Projector</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture method</li> <li>• Discussion</li> </ul>	Describe the need of nursing research?
		1 hr	<ul style="list-style-type: none"> <li>• Steps of scientific method</li> </ul>	<ul style="list-style-type: none"> <li>• PowerPoint Presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture method</li> <li>• Discussion</li> </ul>	List the steps of research?
		1 hr	<ul style="list-style-type: none"> <li>• Characteristics of good research</li> </ul>	<ul style="list-style-type: none"> <li>• PowerPoint Presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture method</li> <li>• Discussion</li> </ul>	

		1 hr	<ul style="list-style-type: none"> <li>Steps of Research Process- Overview</li> </ul>	<ul style="list-style-type: none"> <li>Board &amp; chalk</li> </ul>	<ul style="list-style-type: none"> <li>Lecture method</li> <li>Discussion</li> </ul>	Explain the steps of good research?
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Unit-II

Title- Research **Problems/Question**

Faculty- Ms. SheljyShajan

Unit	Specific Objectives	Time (Hrs)	Contents	<ul style="list-style-type: none"> <li>A V AIDS</li> </ul>	<ul style="list-style-type: none"> <li>Teaching Learning Activities</li> </ul>	Assessment Methods
II	At the end of the unit student will be able to <ul style="list-style-type: none"> <li>Discuss the criteria of a good research problem</li> <li>Describe the components of research problem</li> </ul>	03	<b>Research Problems/Question</b> <ul style="list-style-type: none"> <li></li> </ul>			
		1 hr	<ul style="list-style-type: none"> <li>Identification of problem area</li> </ul>	<ul style="list-style-type: none"> <li>Over head Projector</li> </ul>	<ul style="list-style-type: none"> <li>Assignments</li> </ul>	Describe the components of research problem
		2 hrs	<ul style="list-style-type: none"> <li>Problem statement</li> <li>Criteria of a good research problem</li> <li>Writing objectives</li> </ul>	<ul style="list-style-type: none"> <li>PowerPoint Presentation</li> <li>Board &amp; chalk</li> </ul>	<ul style="list-style-type: none"> <li>Lecture method</li> <li>Discussion</li> </ul>	Discuss the criteria of a good research problem?

Unit-III

Title- **Review of Literature**

Faculty- Ms. SheljyShajan

Unit	Specific Objectives	Time (Hrs)	Contents	• A V AIDS	• Teaching Learning Activities	Assessment Methods
III	At the end of the unit student will be able to <ul style="list-style-type: none"> <li>• Discuss the importance of reviewing literature in research</li> <li>• Explain the sources of literature</li> </ul>	03	<b>Review of Literature</b>			
		1 hr	<ul style="list-style-type: none"> <li>• Location</li> <li>• Sources</li> </ul>	<ul style="list-style-type: none"> <li>• PowerPoint Presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Assignments</li> </ul>	Discuss the sources of literature
		1 hr	<ul style="list-style-type: none"> <li>• On line search: CINHAL, COCHRANE etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Board &amp;chalk</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture method</li> </ul>	Discuss the importance of reviewing literature in research
		1 hr	<ul style="list-style-type: none"> <li>• Purpose</li> <li>• Method of Review</li> </ul>	<ul style="list-style-type: none"> <li>• Over head Projector</li> </ul>	Discussion	Explain the methods and purposes of literature?

Unit-IV

Title- **Research Approach and design**

Faculty- Ms. SheljyShajan

Unit	Specific Objectives	Hrs	Contents	• A V AIDS	• Teaching Learning Activities	Assessment Methods
IV	At the end of the unit student will be able to <ul style="list-style-type: none"> <li>Differentiate between experimental and non experimental research designs</li> </ul>	• 4	<b>Research Approach and design</b>	• Over head Projector	• Lecture method	List the types of various research approaches?
		1 hr	• Historical, Survey			
		1 hr	• Experimental design	PowerPoint Presentation	• Lecture method	
		1 hr	• Qualitative design	Board & chalk	• Discussion Assignments	Differentiate between experimental and non experimental research designs?
		1 hr	• Quantitative designs	PowerPoint Presentation	• Lecture method	

Unit-V

Title- **Sampling and data Collection**

Faculty- Ms. SheljyShajan

Unit		Time (Hrs)	Contents	• A V AIDS	• Teaching Learning Activities	Assessment Methods
V	At the end of the unit student will be able to	08	<b>Sampling and data Collection</b>			
	<ul style="list-style-type: none"> <li>• Explain the sampling process</li> </ul>	1 hr	Definition of population, sample, sampling criteria	<ul style="list-style-type: none"> <li>• PowerPoint Presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture method</li> </ul>	Explain the sampling process?
	<ul style="list-style-type: none"> <li>• Differentiate between probability and non probability sampling</li> </ul>	1 hr	<ul style="list-style-type: none"> <li>• factors influencing sampling process</li> </ul>	<ul style="list-style-type: none"> <li>• Board &amp; chalk</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion</li> <li>• Assignments</li> </ul>	Differentiate between probability and non probability sampling?
	<ul style="list-style-type: none"> <li>• Describe the types of data collection</li> </ul>	2 hr	<ul style="list-style-type: none"> <li>• types of sampling techniques</li> </ul>	<ul style="list-style-type: none"> <li>• Over head Projector</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture method</li> </ul>	
		1 hr	<ul style="list-style-type: none"> <li>• Data why-what, from whom, when and where to collect</li> </ul>	<ul style="list-style-type: none"> <li>• Over head Projector</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture method</li> </ul>	

		1 hr	<ul style="list-style-type: none"> <li>• Data collection methods and instrument <ul style="list-style-type: none"> <li>○ Methods of data collection</li> <li>○ Questioning and interviewing</li> <li>○ Observation, record analysis and measurement</li> <li>○ Types of instruments</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Over head Projector</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture method</li> </ul>	Describe the types of data collection?
		1 hr	<ul style="list-style-type: none"> <li>• <ul style="list-style-type: none"> <li>○ Validity &amp; Reliability of the instrument</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Over head Projector</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture method</li> </ul>	Discuss the validity and reliability of tool
		1 hr	<ul style="list-style-type: none"> <li>○ Pilot study</li> </ul>	<ul style="list-style-type: none"> <li>• Over head Projector</li> </ul>	Lecture method	Significance of pilot study

Unit-VI

**Title-Analysis of Data**  
Faculty- Ms. SheljyShajan

Unit	Specific Objectives	Time (Hrs)	Contents	• A V AIDS	• Teaching Learning Activities	Assessment Methods
VI	At the end of the unit student will be able to <ul style="list-style-type: none"> <li>• Analyse,interpret and summarize the</li> </ul>	04	<b>Analysis of Data</b>	Over head Projector	<ul style="list-style-type: none"> <li>• Lecture method</li> </ul>	Levels of measurement ?
		1 hr	<ul style="list-style-type: none"> <li>• Compilation</li> <li>• Tabulation</li> </ul>			

	research findings					
		1 hr	<ul style="list-style-type: none"> <li>• Classification</li> <li>• Summarization</li> </ul>	<ul style="list-style-type: none"> <li>• PowerPoint Presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Assignments</li> </ul>	Different methods of data classification?
		2 hr	<ul style="list-style-type: none"> <li>• Presentation</li> <li>• Interpretation of data</li> </ul>	<ul style="list-style-type: none"> <li>• Board &amp; chalk</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion</li> </ul>	Different methods of data presentation

Unit-VII

Title-**Introduction to statistics**

Faculty- Ms. SheljyShajan

Unit	Specific Objectives	Time (Hrs)	Contents	• A V AIDS	• Teaching Learning Activities	Assessment Methods
VII	At the end of the unit student will be able to <ul style="list-style-type: none"> <li>• Explain the use of statistics, scales of measurement and graphical presentation of data</li> <li>• Describe the methods of</li> </ul>	15	<b>Introduction to statistics</b>	<ul style="list-style-type: none"> <li>• Over head Projector</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture method</li> <li>•</li> </ul>	Definition and scope of statistics
		2hrs	<ul style="list-style-type: none"> <li>• Definition, use of statistics, scales of measurement</li> </ul>			
		2 hr	<ul style="list-style-type: none"> <li>• Frequency distribution and</li> </ul>	<ul style="list-style-type: none"> <li>• PowerPoint Presentation</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion</li> <li>• Assignments</li> </ul>	
		2 hr	<ul style="list-style-type: none"> <li>• graphical presentation of data</li> </ul>	<ul style="list-style-type: none"> <li>• PowerPoint Presentation</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture method</li> <li>• Assignments</li> </ul>	

	central tendency, variability and measure of correlation	2 hr	<ul style="list-style-type: none"> <li>• Mean, Median &amp; Mode</li> </ul>	<ul style="list-style-type: none"> <li>• Board &amp;chalk</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture method</li> </ul>	Describe the methods of central tendency
		1 hr	<ul style="list-style-type: none"> <li>• Standard deviation</li> </ul>	<ul style="list-style-type: none"> <li>• Board &amp;chalk</li> </ul>	<ul style="list-style-type: none"> <li>• Assignments</li> </ul>	Describe the measure of variability?
		2 hr	<ul style="list-style-type: none"> <li>• Normal Probability and tests of significance</li> </ul>	<ul style="list-style-type: none"> <li>• Board &amp;chalk</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture method</li> </ul>	
		2 hr	<ul style="list-style-type: none"> <li>• Co-efficient of correlation</li> </ul>	<ul style="list-style-type: none"> <li>• Board &amp;chalk</li> </ul>	<ul style="list-style-type: none"> <li>• Assignments</li> </ul>	
		2 hr	<ul style="list-style-type: none"> <li>• Statistical packages and its application</li> </ul>	<ul style="list-style-type: none"> <li>• PowerPoint Presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture method</li> <li>• Assignments</li> </ul>	



Unit-VII

**Title-Communication and utilization of Research**

Faculty- Ms. SheljyShajan

Unit	Specific Objectives	Time (Hrs)	Contents	• A V AIDS	• Teaching Learning Activities	Assessment Methods
VII	At the end of the unit student will be able to <ul style="list-style-type: none"> <li>• Communicate and utilize the research findings</li> </ul>	04	<b>Communication and utilization of Research</b>			
		2 hrs	Communication of research findings <ul style="list-style-type: none"> <li>○ Verbal report</li> <li>○ Writing research report</li> <li>○</li> </ul>	<ul style="list-style-type: none"> <li>• Over head Projector</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture method</li> </ul>	Long answer Short answer Objective type
		2 hrs	<ul style="list-style-type: none"> <li>○ Writing Scientific article/paper</li> <li>- Critical review of published research</li> <li>- Utilization of research finding</li> </ul>	<ul style="list-style-type: none"> <li>• PowerPoint Presentation</li> <li>• Board &amp;chalk</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion</li> <li>• Assignments</li> </ul>	