STATISTICS

PLACEMENT: VII SEMESTER

THEORY: 2 Credits (16 hours)

PRACTICUM: Lab/Skill Lab: 1 Credit (40 hours) Clinical Project: 40 hours

DESCRIPTION: The Course is designed to enable students to develop an understanding of basic concepts of research, research process and statistics. It is further, structured to conduct/ participate in need-based research studies in various settings and utilize the research findings to provide quality nursing care. The hours for practical will be utilized for conducting individual/group research project.

COMPETENCIES: On completion of the course, students will be competent to

1. Identify research priority areas
2. Formulate research questions/problem statement/hypotheses
3. Review related literature on selected research problem and prepare annotated bibliography
4. Prepare sample data collection tool
5. Analyze and interpret the given data
6. Practice computing, descriptive statistics and correlation
7. Draw figures and types of graphs on given select data
8. Develop a research proposal
9. Plan and conduct a group/individual research project

Unit	Time (Hrs.)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P				
VI	4	6	Analyze, Interpret and summarize the research data	**Analysis of data** • Compilation, Tabulation, classification, summarization, presentation, interpretation of data	• Lecture cum Discussion • Preparation of sample tables	• Short answer • Objective type • Analyze and interpret given data

| VII | 12 | 8 | Explain the use of statistics, scales of measurement | **Introduction to Statistics**
• Definition, use of statistics, scales of measurement. | • Lecture cum Discussion

• Practice on | • Short answer
• Objective type
• Computation of |

			and graphical presentation of data	• Frequency distribution and graphical presentation of data	graphical presentations	descriptive statistics
				• Mean, Median, Mode, Standard deviation	• Practice on computation of measures of central tendency, variability & correlation	
			Describe the measures of central tendency and variability and methods of Correlation	• Normal Probability and tests of significance		
				• Co-efficient of correlation		
				• Statistical packages and its application		

.No.	Theme and total hours allotted	Obectives	Topic	Code No.	Competency	Must know	Desirable to know	Nice to know	Hrs
						CORE COMPETENCY			Hrs
1	Analysis of data (4)	At the end of unit students are able to: **Knowledge:**. Analyze, Interpret and summarize the research data	**Analysis of data**	NRST405:VII SEM 1.1	Explain classification and summarization of data	classification, summarization			2 hrs
				NRST405:VII SEM 1.2	Describe Compilation, Tabulation, presentation of data		Compilation, Tabulation, presentation		1hr
				NRST405:VII SEM 1.3	Explain the interpretation of data			interpretation of data	1hr
2	**Introduction to Statistics** (12)	At the end of unit students are able to: Knowledge :Explain the use of statistics, scales of measurement and	**Introduction to Statistics**	NRST405:VII SEM 2.1	Define and explain the use of statistics	Definition, use of statistics,			
				NRST405:VII SEM 2.2	Enlist scales of measurement.	scales of measurement.			
				NRST405:VII SEM 2.3	Explain the Frequency distribution and graphical presentation of	• Frequency distribution and graphical presentation of data			

		graphical presentation of data Describe the measures of central tendency and variability and methods of Correlation			data				
				NRST405:VII SEM 2.4	Explain the Mean, Median, Mode and Standard deviation		• Mean, Median, Mode, Standard deviation		
				NRST405:VII SEM 2.5	Describe the Normal Probability and tests of significance		• Normal Probabilit y and tests of significan ce		
				NRST405:VII SEM 2.6	Define and explain the Co-efficient of correlation			• Co-efficient of correlation	
				NRST405:VII SEM 2.7	List the Statistical packages and its application			• Statistical packages and its application	

Summative assessment:

Theory:

Type of questions	Number of questions	Marks allotted
MCQ	4X1	4Marks
Short	2x5	10Marks
Very short	3x2	06Marks
	Total	20marks

Datta Meghe Institute of Medical Sciences (Deemed to be University)

Smt. Radhikabai Meghe Memorial College of Nursing

Sawangi (Meghe) Wardha

Name of the Institute: SRMM College of Nursing

Name of Examination: Basic B.Sc. Nursing

Semester VII: Statistics

NRST 405: VIISEM /Primary/2021-2025

	Must to Know (MK 60%)	Desirable to know (DK 30%)	Nice to know (NK 10%)	Marks = 20
SHORT (2) 2/3	(2) Level-I-1 Level-II-1	(1) Level-I-1		5Mx2= 10M
VERY SHORT (3) 3/4	(2) Level-I-1 Level-II-1	(1) Level- I-1	(1) Level-I-1	2Mx3=06M
MCQ (4) 4/4	(2) Level-I-1 Level-II-1	(1) Level-I-1	(1) Level-I-1	1Mx4=4M
Total				**Total = 20 Marks**

Level I: 80   **Level II: 20**