

Dr. D. Y. Patil College of Nursing, Pimpri, Pune-18

Third Year BSc. Nursing

Subject: - Nursing Research and Statistics

Theory – 45 hours

Practical – 45 hours

Faculty: - Ms. Vaishali Jagtap & Mrs. Ceena Bejoy

UNIT	TOPIC	Number of lecture	Lecture Serial No
1 Research and research process	• Introduction and need for nursing Research.	1	1
	• Definition of Research & nursing research.		
	• Steps of scientific method.	1	2
	• Characteristics of research.	1	3
	• Steps of research process –overview	1	4
2 Research Problem/ Question	• Identification of problem area & Problem statement.	1	5
	• Stating objectives of the research problem.	2	6-7
3 Review of Literature	• Steps in review of literature	1	8
	• Identification of Publication		
	• Keeping a record	1	9
	• Writing the review of literature	1	10
	• Writing of Bibliography		
4 Research approaches and designs	• Historical, survey and experimental	1	11
	• Qualitative and Quantitative designs	3	12-14
5 Sampling	• Definition of Population, Sample,	4	15-18

and data collection	Sampling criteria, factors influencing sampling process, types of sampling Techniques. • Data collection Methods and instruments 1) Questionnaire, interview, records & reports and other techniques 2) Validity & Reliability of the instrument 3) Pilot Study	4	19-22
6 Introduction to statistics	<ul style="list-style-type: none"> • Definition, use of statistics, scales of Measurement • Frequency distribution and graphical presentation of data • Mean, Median, Mode, standard deviation • Normal probability and tests of Significance • Coefficient of correlation • Inferential statistics and types • Statistical packages and its application 	2 2 2 2 3 2 2	23-24 25-26 27-28 29-30 31-33 34-35 36-37
7 Analysis of Data	<ul style="list-style-type: none"> • Compilation, Tabulation • Classification, summarization, presentation, interpretation of data 	2 2	38-39 40-41
8 Communication and utilization of Research	<ul style="list-style-type: none"> • Communication of research findings • Verbal report • Writing research report • Writing scientific article/ paper- Critical review of published research & Utilization 	1 1 1 1	42 43 44 45

	of research findings		
--	----------------------	--	--

Research Project work to be carried out during internship

References

1. Polit , D.F. & Beck CT, Nursing Research, Principles and Methods, 7th ed, Lippincott Williams & Wilkins, Philadelphia, 2003.
2. Polit Dennis and Hunglar B P, Nursing research principles and methods, 6th edition Lippincott, Philadelphia, 1999.
3. Laura A. Talbot, Principles and practice of nursing research, Mosby St. Louis 1995.
4. Dorothy YB & Marie TH, Fundamentals of research in Nursing, 3rd ed, Jones & Bartlett Publishers, Boston, 2003.
5. Rao TB, Methods in Medical Research , 1st ed, Radha Rani Publishers, Guntur AP, 2002.
6. Smith, P Research Mindedness for Practice> An interactive approach for nursing and health care, Churchill livingstone, New York, 1997
7. American Psychological Association publication manual. 2001.
8. Mahajan Methods in Bio statistics.
9. Trece E.W. & Treece JW: Elements of Research in Nursing, 3rd ed The CV Mosby Company St, Louis 1986

Evaluation

Internal assessment: (College level qualifying exam to appear in 4th year university exam.)

a) Theory: Maximum marks 50

Periodical 25

Midterm 50

Pre final 75

Total marks 150

b) Assignment:

Group project 50

Total marks 50

External assessment-

University exam

Theory

marks 75