PAPER - I

RESEARCH METHODOLOGY AND APPLIED STATISTICS INCLUDING RESEARCH ETHICS

Contact hrs:60+15=75hrs Self-study:30+15=45hrs Credits: 6+2=8credits

PART A- RESEARCH METHODOLOGY AND APPLIED STATISTICS

Unit –I

1. Introduction:

Methods of acquiring knowledge, problem solving and scientific method. Research – definition, types, characteristics, terminology used in research, purpose, scope and Research & Nursing: Purpose scope and need for Nursing Research, development of research in nursing, areas of nursing research.

2. Research process overview:

Statement of the problem and research objectives, concepts and constructs, variables assumptions, definitions, hypotheses formulation and its types, delimitation.

3. Review of related literature

Need, purpose and sources: Library, On-line search, retrieval of database from different CD-ROMs and Systematic review.

Unit-II

Research approaches and Designs:

- Historical approaches
- Survey and experimental approaches
- Qualitative research approaches, ethnography and phenomology
- Longitudinal, cross sectional and cohort studies advantages and disadvantages
- Experimental designs Purposes, characteristics, types of design-pre-experimental, quasi and true experimental design, Steps of experimental research.
- Sampling Methods –Population, criteria for sample selection, techniques of sampling, determination of sample size.
- Quantitative Research-Data collection Tools and techniques, types, purposes, characteristics and uses
- Scale/Construction of tools Selection/Construction of Scale, testing, validity and reliability.
- Qualitative research-Data collection Tools and Techniques-observation, focus group discussion, measurement and record analysis and field trips.

(5hrs)

(=)

(5 hrs)

(3hrs)

(**30hrs**)

Unit – III

1. Qualitative and quantitative analysis using software and Data Management

(10hrs)

(5hrs)

• Quantitative Analysis- Descriptive and inferential - Parametric and Non parametric tests Advanced statistics- Regression and Multivariate analysis; SPSS Package Qualitative Analysis- Software's used for qualitative data analysis, Theme mapping

2. Communicating research findings

- Research critique
- Project proposal for Grant
- Research utilization and Dissemination

Unit – IV

Ethical considerations in Nursing Research

(2 hrs)

- Ethical considerations specific to approaches, design and data collection Procedures
- Ethics Committee composition, role and importance
- National Guidelines for ethical clearness

PART B- RESEARCH AND PUBLICATION ETHICS

Unit-V

1. Philosophy and Ethics: (3hrs)

- Introduction to philosophy: definition, nature and scope, concept, branches
- Ethics: definition, moral philosophy, nature of moral judgments and reactions.

2. Scientific Conduct: (5hrs)

- Ethics with respect to science and research
- Intellectual honesty and research integrity
- Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)
- Redundant publications: duplicate and overlapping publications, salami slicing
- Selective reporting and misrepresentation of data

3. Publication Ethics: (7 hrs)

- Publication ethics: definition, introduction and importance
- Best practices / standards setting initiatives and guidelines: COPE, WAME, etc.
- Conflicts of interest
- Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types
- Violation of publication ethics, authorship and contributor ship
- Identification of publication misconduct, complaints and appeals
- Predatory publishers and journals.

RESEARCH AND PUBLICATION ETHICS (PRACTICE)(INTERNAL)

OPEN ACCESS PUBLISHING: (4 Hours) 1. Open access publications and initiatives 2. SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies 3.Software tool to identify predatory publications developed by SPPU 4. Journal finder/journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggested, etc.

PUBLICATION MISCONDUCT: (4 Hours)(A) Group Discussions: 1. Subject specific ethical issues, FFP, authorship 2. Conflicts of interest, 3. Complaints and appeals: examples and fraud from India and abroad (B) Software tools: Use of plagiarism software like Turnitin,Original/Urkund and other open source software tools,

DATABASES AND RESEARCH METRICS: (7 Hours)(A) Databases: 1. Indexing databases 2. Citation databases: Web of Science, Scopus, etc. (B) Research Metrics: 1. Impact Factor of journal as per Journal Citation Report, SNIP, SIR, IPP, Cite Score 2. Metrics: h-index, g index, i10 index, altmetrics.

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PAPER – II

Ph.D. CURRICULUM

Nursing Science and Theory Development including Nursing Leadership

Contact	: 75 hrs
Self-Study	: 45 hrs
Total hours of instruction	: 120 hrs (8 credits)
1. Nursing Leadership in Health Care Delivery System	: Contact hrs (20): Self-study: 10 hrs (2
credits)	
2. Philosophy of Nursing Science and Theoretical Pers	pectives: Contact hrs (15): Self-study: 15 hrs

2. Philosophy of Nursing Science and Theoretical Perspectives: Contact hrs (15): Self-study: 15 hrs (2 credits)

3. Nursing Theories and Theory Development : Contact hrs (40): Self-study: 20 hrs (4 credits)

Part A

1. NURSING LEADERSHIP IN HEALTH CARE DELIVERY SYSTEM - 20 hrs

Course Overview:

This course is designed to prepare the doctoral student to identify and utilize the nursing science and leadership roles as a basis for analyzing, developing and implementing national health policy and population policy and development of nursing profession.

Course Objectives:

Upon completion of this course the student will be able to:—

1. analyze the health problems and societal forces, health economics and politics in relation to corresponding national health policy and population policy

2. relate the impact of health policy and population policy to structure, content, distribution and financing of health services in general and nursing services in particular

3. analyse the leadership theories

4. identify the leadership roles necessary for the nursing leaders for developing nursing profession and people's health

Syllabus:

Unit - I

Current Health Issues and Policies

(8 hrs)

- 1. Analysis of current health problems national & global
- 2. Health care delivery system in India
- 3. National health policy, population policy and alternative systems of medicine
- 4. Health policy issues relevant to nursing practice Development of nursing services in health policy
- 5. The functions and roles of law in health care delivery Existing legislations related to nursing. Laws for new and emerging roles (e.g.) Nurse practitioner, private practice (nursing homes)
- 6. Social system and health policy
- 7. Politics & health policy Lobbying for development of nursing profession
- 8. Health economics and health policy (Economics of health care and nursing)

9. Health insurance

Unit - II

Nursing Leadership

- 1. Leadership theories
- 2. Nursing leadership and decision making
- 3. Nursing leadership and change process
- 4. Human resource planning and management by nurse leaders
- 5. Profession building in health care system Advocacy, Lobbing
- 6. Nursing ethics
 - Code of ethics, professional conduct for nurses in India
 - ▶ Nursing standards, nursing practice, standards and quality assurance
- 7. Human relations
 - Valuing human being
- 8. Communication skills

Unit - III

Nursing Informatics

- 1. Nursing management information system, networking institutions through literature search
- 2. Nursing Universities, Internet, Literature search
- 3. Knowledge about basic computers Review

OR

- 1. Overview of Computers and Nursing
- 2. Computer Systems Data processing, the internet, a nursing resource
- 3. Nursing Informatics and health care policy, privacy, confidentiality and security
- 4. Nursing informatics theory, clinical information systems
- 5. Applications Practice applications, Administrative application (information technology for nursing managers), educational applications and Research applications.
- 6. Consumer use of informatics
- 7. The future of informatics

Part B

2. PHILOSOPHY OF NURSING SCIENCE AND THEORETICAL PERSPECTIVES – 15 hrs

Course Overview:

This is an introductory course. It begins the students' integrative analysis of the conceptual and empirical base of the domain of nursing. This course enables the student to trace the historical development and current status of nursing science in the context of the philosophy and history of science. (Study of nursing as a scientific discipline)

(8 hrs)

(4 hrs)

Course Objectives:

Upon completion of this course, the student will be able to:—

- 1. analyse the historical roots and current status of contemporary nursing science
- 2. explicate the paradigms of inquiry which influence the investigation of nursing phenomena
- 3. explore the impact of scientific issues on the development of nursing science

Syllabus:

Unit – IV

Philosophy of Nursing Science And Theoretical Perspectives (15 Hrs)

- 1. Introduction to the course, study of philosophy, history of philosophy
- 2. History and philosophy of nursing science
- 3. Nursing as a science and a discipline (Evolution and development)
- 4. Nursing knowledge and development
 - Historical roots
 - Domains of nursing
 - > Paradigms in nursing
 - Knowledge development
- 5. Paradigms that influence approach to nursing science development.
- 6. Epistemological and ontological assumptions of diverse approaches to knowledge generation in nursing.

3. NURSING THEORIES AND THEORY DEVELOPMENT - 40 hrs

Course Overview:

This course is designed to facilitate the refinement of the critical skills necessary for analyzing and evaluating theoretical formulations, synthesizing theoretical components into conceptual models and developing testable hypotheses. The interrelationships among theory and practice and research in nursing will be examined.

Course Objectives:

Upon completion of this course, the student will be able to:—

- 1. to describe strategies for concept and theory development
- 2. to get overview of nursing theories
- 3. to evaluate theories used in nursing practices
- 4. demonstrate skill in developing and testing conceptual models that will impact nursing science
- 5. Examine interrelationship among science, theory, practice and research in nursing.

Syllabus:

Unit – V

Nursing Theories and Theory Development

- 1. Epistemology (5 hrs)
 - Concepts, statements and theories
 - Strategies for theory development
 - Evaluation of theories
 - Meta theory
- 2. Overview of theory in nursing -10 hrs
 - Overview of theory
 - Importance of theory in nursing
 - Historical overview
 - Classification of theories in nursing
 - Issues in theory development in nursing
 - Nursing Theory an examination of the concept development of nursing theory.
- 3. Overview of nursing theories -15 hrs The theorists and the theories
 - On nursing clients
 - On human being Environment interactions
 - On interactions
 - On nursing therapeutics
 - Other theories (4, 5, 6, 7 = 10 hrs)
- 4. Analysis of Nursing theories & evaluation of nursing theories
- 5. Nursing theory and practice
- 6. Nursing theory and research
- 7. Inter relationships between science, theory, practice and research in nursing.

(40 Hrs)