

Study Plan
Faculty of Nursing
Doctor of Philosophy in Nursing (PhD)

Plan Number	2015
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First: General Rules & Conditions:

1. This plan conforms to valid regulations of the programs of graduate studies.
2. Specialties of Admission:
 - The First Priority: Master in Nursing
 - The second Priority: BSc nursing graduate holding Master degree in Health specialties not exceeding 10% of admission
3. Admission Policy
 - First Policy

Second: Special Conditions:

- None.

Third: Study Plan: Studying (54) Credit Hours as following:

1. Obligatory Courses (21) credit hours:

Course No.	Course Title	Credit Hrs	Theory	Practical	Pre/Co-requisite
0701901	Philosophy of Nursing Science	3	3	-	-
0701904	Nursing Theories	3	3	-	-
0701920	Advanced quantitative research	3	3	-	-
0701921	Advanced statistical analysis	3	3	-	-
0701922	Measurement in Nursing Research	3	3	-	-
0701923	Advanced qualitative research	3	3	-	-
0701924	Health Policy	3	3	-	-

2. Elective Courses (15) Credit Hours: from the following:

Course No.	Course Title	Credit Hrs	Theory	Practical	Pre/Co-requisite
0701911	Health Informatics	3	3	-	-
0701913	Special Topics in Nursing	3	3	-	-
0701915	Public Health Nursing	3	3	-	-
0701925	Advanced Leadership in Health care	3	3	-	-
0701926	Clinical Trials	3	3	-	-
0701927	Nursing in global context	3	3	-	-
0701928	Context of chronic illnesses	3	3	-	-
0701929	Nursing education and curriculum development	3	3	-	-
0701930	Quality management of health care institutions	3	3	-	-
0701931	Seminars in nursing research	3	3	-	-
0801928	Multivariate Analysis	3	3	-	-

3. Pass the qualifying exam (0701998).

4. Thesis: (18) Credit hours (0701999).

Course Description

Faculty of Nursing

Doctor of Philosophy in Nursing (PhD)

0701901 Philosophy of Nursing Science (3 credit hours)

This course focuses on the analysis of epistemological, ontological and metatheoretical perspectives in the philosophy of science, while also considering the implications for scientific inquiry, theory development and knowledge development in nursing. Concepts and theories from philosophy of science and methods of theory development are used to critically examine the process of knowledge development in nursing.

0701904 Nursing Theories (3 credit hours)

This course is designed to focus on the critical analysis of nursing frameworks, models and theories for practice, research and education. Middle-range and practice theoretical structures and processes for theory development are examined and critiqued.

0701911 Health Informatics (3 credit hours)

This course will examine the application of health informatics to health care research. The course content is designed to facilitate the acquisition of a set of systems skills that can be applied to clinical informatics, outcomes management, and health-related databases.

0701913 Special Topics in Nursing (3 credit hours)

This course is aimed at developing in-depth knowledge regarding a topic(s) related to PhD-level nursing such as Advanced Information Technology in Practice, scientific grant writing, and Health Policy. Learning experiences may include clinical experience.

0701915 Public Health Nursing (3 credit hours)

This course prepares students to focus on populations, individuals, groups and families and their indoor, workplace, and out door environment to improve the overall health of communities. This course focuses on theoretical, methodological, and ethical issues related to individuals, groups and family research including health promotion, risk reduction, vulnerability, and health risk, in the context of acute and chronic illness across the life span. Students are prepared in program planning, implementation, and evaluation. Community health principles form the basis for instructing individual, families and other groups regarding disease prevention, and health promotion.

0701920 Advanced Quantitative Research (3 credit hours)

This course focuses on advanced seminar on selected areas related to research development, methods, and evaluation essential to the advancement of nursing knowledge, utilizing a quantitative approach. The course covers essential contents as testing hypotheses, and the use of appropriate research design and sampling as well as the needed analysis plan. Quantitative research evaluation and criticism will also be emphasized upon.

0701921 Advanced statistical analysis (3 credit hours)

This course focuses on n-depth examination of regression and multivariate analysis, factor analysis, causal analysis (path models and structural equation modeling), scaling, nonlinear transformation, and interactive effects, including manipulation of data, integrating understanding of inference and probability

0701922 Measurement in Nursing Research (3 credit hours)

This course focuses on theories and concepts related to measurement in nursing research, and techniques for construction, testing, and refining instruments and assessing their reliability and validity, the emphasis will be on applying the principles of psychometric analysis used while constructing special instruments and scales with pilot application in the field.

0701923 Advanced Qualitative Research (3 credit hours)

This course focuses on the analysis of the philosophical foundations and approaches to qualitative research methodologies relevant to the discipline of Nursing (e.g. phenomenology, ethnography, participatory action research). Nursing research studies are evaluated relative to the scientific standards for qualitative research. Specific issues addressed include theoretical bases for qualitative work, sampling, interviewing techniques, qualitative analysis and interpretation of data, the nature of qualitative description and the contribution of qualitative research to theory development in Nursing.

0701924 Health Policy (3 credit hours)

This course uses a framework of policy analysis to examine the processes by which national health and nursing policies are determined. The influence of economics on health and nursing care delivery as a factor that influence the acquisition and use of nursing resources and the regulation of professional practice is considered. Specific policy areas relevant to nursing that reflect the contemporary health care environments are selected for discussion.

0701925 Advanced leadership in health care (3 credit hours)

This course is designed to prepare the doctoral student to identify and utilize the nursing science and leadership roles as a basis for transition to the leadership role of the advanced practice in nursing administration. Topics include role theory, change theory, leadership theory, and complexity theory as they apply to nurse leaders. Emphasis is on transition to a leadership role and integration of the various advanced practice roles by the nursing administrator with over-

0701926 Clinical Trials (3 credit hours)

This course introduces issues in design, conduct, and data analysis of clinical trials, emphasizing practical use of methods. Topics include types/objectives of the clinical trials, study design, blindness, randomization and stratification, sample size determination, interim monitoring, ethical guidelines, data analysis and interpretation of results. Parallel design, factorial designs, cross-over designs, nested designs for superiority, non-inferiority, clinical equivalence and bioequivalence trials will be discussed. Other topics include role of clinical trials in meta-analysis and management of clinical trial data.

0701927 Nursing in Global Context (3 credit hours)

This course provides students with a knowledge base in global health issues and goals. It is designed to focus on similarities and differences among cultures with respect to health care. Transcultural nursing theory will provide the framework for exploration of concepts of culture, cultural values, culturally diverse nursing care, ethnocentrism, race and ethnography.

0701928 Context of chronic illnesses (3 credit hours)

This course provides synopsis of theory and research related to the prevention of chronic conditions across the life span. Concepts such as health, illness, risk, vulnerability, resilience, and disability are examined. It also focuses on the theoretical and empirical foundations of human responses to chronic illnesses as a basis for nursing practice. The most prevalent chronic illnesses are approached from bio-behavioral and socio-cultural theoretical perspectives emphasizing the state of the science with regard to definitions, theoretical models, assessment/ measurement, and clinical management strategies.

0701929 Nursing education and curriculum development (3 credit hours)

This course provides the PhD students with the essential elements which define and operationalize the process of curriculum development. Opportunities for learners to explore theories, standards, and techniques to design, deliver, and evaluate a curriculum and learner outcomes will be emphasized. In this course examination of the philosophical and historical influences in nursing education within a contemporary context for curricula development will be highlighted. Students will learn how to analyze a written curricular plan including a mission statement, philosophy, and other essential elements.

0701930 Quality management of health care institutions (3 credit hours)

This course presents an interdisciplinary perspective on quality management in health care. Special attention is given to the underlying tools and approaches fundamental to total quality management. Special attention is given to challenges to quality management, developing a quality culture and to the institutionalization of quality concept in the various health care institutions.

0701931 Seminars in nursing research (3 credit hours)

This course aims at enabling PhD students' socialization to doctoral study and research environment. The course will provide students with research skills that include reviewing research studies, familiarization with methodologies of nursing research, and synthesis of research clinical nursing research. The seminars will focus on development of clinical nursing research and facilitate immersion into the research process among students. The course focuses on the process of preparing a manuscript for possible publication. Attention is directed toward selecting an appropriate journal, the organization of the paper, relevant legal and ethical issues.

0801928 Multivariate Analysis (3 credit hours)

This course focuses on various topics in multivariate analysis and provides some practical experience in their application and interpretation. The content of this course will include factor analysis, path analysis, canonical analysis, discriminate analysis, cluster analysis, Factorial multiple analysis of variance and multidimensional scaling. The statistical analysis system (SAS) will be used throughout the course