

## Courses Description

**College:** Nursing

**Department:** A

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**Couse ID:** 702713      **Description:** Foundations of Nursing Theories

**Full Course Description:** Nursing science and theories as milestones to advanced clinical nursing practice; the evolution and development of theories relevant to nursing practice including grand and middle-range theories; and the philosophical underpinnings and implications of theories are analyzed. Strategies for theory development, evaluation and applications, the philosophical underpinnings of both qualitative and quantitative research methods, and implications for research and practice are emphasized

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**Couse ID:** 702731      **Description:** Advanced Pharmacology

**Full Course Description:** Clinical pharmacology and pharmacotherapeutics as applied to advanced practice nursing in the acute and primary care of individuals across the lifespan. Pharmacodynamic mechanisms and physiologic responses contributing to drugs therapeutic and specific considerations for drug therapy in pediatrics, women, and geriatric populations are addressed where appropriate throughout this course.

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**Couse ID:** 702732      **Description:** Advanced Pathophysiology

**Full Course Description:** A systems approach to the physiological processes and pathological changes that impact human health and illness. An in-depth scientific knowledge base relevant to selected pathophysiological states confronted in clinical care is explored, in turn clinical decisions related to diagnostic tests and the initiation of therapeutic regimens will be enhanced. Age specific and developmental alterations are correlated with clinical diagnosis and management.

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**Couse ID:** 702733      **Description:** Advanced Health Assessment Methods

**Full Course Description:** Knowledge and skills required to perform a systematic examination of individuals across the life span, record findings appropriately, and comprehensive history taking and advanced physical examination requisite of advanced nursing practice.

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**Couse ID:** 702751      **Description:** Advanced Oncology Nursing (1)

**Full Course Description:** A systematic overview of oncology nursing utilizing various theoretical approaches; and a framework for the synthesis, and integration and application of oncology nursing theory in clinical practice are major milestones of this course. In the clinical part, the information learned in the theory class will be applied to a specifically designated oncology population receiving care in an oncology unit or division of a major hospital or medical center. The practice component offers the opportunity for the role of the oncology clinical nurse specialist to begin to be implemented.

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**Couse ID:** 702752      **Description:** Advanced Oncology Nursing (2)

**Full Course Description:** Nursing and medical management of treatments of various oncologic emergencies, and evidence-based nursing care for each type of cancer with focuses on diagnosing, assessing, intervening in, and evaluating potential and actual client/family problems related to cancer treatment, rehabilitation and terminal care are major milestones of this course. Areas of training include chemotherapy, radiotherapy, bone marrow transplantation, surgery, in-patient wards, ambulatory care settings, and hospice. The practice component offers the opportunity for the student to acquire the roles of educator, expert clinician, consultant and/or coordinator of care.

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**Couse ID:** 702753      **Description:** Advanced Oncology Nursing (3)

**Full Course Description:** Dimensions of cancer survivorship, end-of-life and palliative care, and professional issues for advanced practice oncology nurses with focuses on evidence-based practice and case management are major milestones of this course. Students will be trained in an area of oncology nursing to receive their comprehensive clinical training in such as bone marrow transplantation (BMT), chemotherapy, radiotherapy, surgical oncology, cancer critical care, and palliative care. The practice component offers the opportunity for the student to acquire the roles of oncology nurse specialist.

## Courses Description

**College:** Nursing

**Department:** A

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**Couse ID:** 702762      **Description:** Health Care Delivery Systems and Policies

**Full Course Description:** Methods by which health organizations are managed and financed to deliver health care. Various concepts, processes and methods of leadership and management needed to manage health care systems; theories, development, and evaluation of health policy care are other milestones of this course. Public policies that have supported health service system on the national and regional and international levels will be integrated throughout the course.

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**Couse ID:** 702768      **Description:** Health Information Management and Decision-Making

**Full Course Description:** Theories and methods of leadership and management, communication strategies, problem-solving models, motivation, delegation, conflict management, change process, employment laws and administrative systems, quality control, decision-making tools.

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**Couse ID:** 1807021713      **Description:** Foundations of Nursing Theories

**Full Course Description:** (180702713) Foundations of Nursing Theories: 2 CH (2+0) □  
Nursing science and theories as milestones to advanced clinical nursing practice; the evolution and development of theories relevant to nursing practice including grand and middle-range theories; and the philosophical underpinnings and implications of theories are analyzed. Strategies for theory development, evaluation and applications, the philosophical underpinnings of both qualitative and quantitative research methods, and implications for research and practice are emphasized. □

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**Couse ID:** 1807021731      **Description:** Advanced Pharmacology

**Full Course Description:** (180702731) Advanced Pharmacology: 3 CH (3+0) □  
Clinical pharmacology and pharmacotherapeutics as applied to advanced practice nursing in the acute and primary care of individuals across the lifespan. Pharmacodynamic mechanisms and physiologic responses contributing to drugs therapeutic and specific considerations for drug therapy in pediatrics, women, and geriatric populations are addressed where appropriate throughout this course. □  
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**Couse ID:** 1807021732      **Description:** Advanced Pathophysiology

**Full Course Description:** (180702732) Advanced Pathophysiology: 2 CH (2+0) □  
A systems approach to the physiological processes and pathological changes that impact human health and illness. An in-depth scientific knowledge base relevant to selected pathophysiological states confronted in clinical care is explored, in turn clinical decisions related to diagnostic tests and the initiation of therapeutic regimens will be enhanced. Age specific and developmental alterations are correlated with clinical diagnosis and management. □

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**Couse ID:** 1807021733      **Description:** Advanced Health Assessment Methods

**Full Course Description:** (180702733) Advanced Health Assessment Methods: 1 CH (0+3) □  
Knowledge and skills required to perform a systematic examination of individuals across the life span, record findings appropriately, and comprehensive history taking and advanced physical examination requisite of advanced nursing practice. □  
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**Couse ID:** 1807021734      **Description:** Advanced Adult Nursing (1)

**Full Course Description:** Wellness, acute, episodic and chronic care of older adolescent and adult health problems while focusing on screening and diagnosing common acute health problems in adolescents and adults; an emphasis on multi-system health problems and methods of health promotion. Students will be trained in acute in-patient care settings and primary health care centers.

## Courses Description

**College:** Nursing

**Department:** A

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**Couse ID:** 1807021735      **Description:** Advanced Adult Nursing (2)

**Full Course Description:** Knowledge and skills necessary to practice in acute and critical care settings. Emphases are placed on the pathophysiology, etiologies, clinical evaluation, and management of common acute and critical health problems experienced by adults such as those related to the cardiovascular and respiratory systems.

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**Couse ID:** 1807021736      **Description:** Advanced Adult Nursing (3)

**Full Course Description:** Applications of theories, concepts, research, issues and trends in caring for adults with basic and critical health care needs while focusing on the utilization of evidence-based practice and case management in adult acute care. Students will be trained in adult acute and critical care.

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**Couse ID:** 1807021737      **Description:** Advanced Clinical Training (1)

**Full Course Description:** This course aims of applying nursing care and improving nursing skills necessary for individual health in different health care settings depending on patient health conditions (health problem). Student will do their clinical training in specialized units depending on the tracks of the program. The track of the program. The course focuses on disease prevention and diagnosis.

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**Couse ID:** 1807021738      **Description:** Advanced Clinical Training (2)

**Full Course Description:** The course focuses on necessary nursing skills (nursing care) for patients with acute and chronic illnesses. □  
Students will be able to collect data and develop care plans adjusted to patient/health problem. □

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**Couse ID:** 1807021739      **Description:** Advanced Clinical Training (3)

**Full Course Description:** This course aims at implementing necessary nursing skills (nursing care) for patients with different health problem. The focus will be on complicated and irreversible cases.

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**Couse ID:** 1807021751      **Description:** Advanced Oncology Nursing (1)

**Full Course Description:** (180702751) Advanced Oncology Nursing (1): 3 CH (3+0) □  
A systematic overview of oncology nursing utilizing various theoretical approaches; and □  
a framework for the synthesis, and integration and application of oncology nursing theory in clinical practice are major milestones of this course. In the clinical part, the information learned in the theory class will be applied to a specifically designated oncology population receiving care in an oncology unit or division of a major hospital or medical center. The practice component offers the opportunity for the role of the oncology clinical nurse specialist to begin to be implemented. □

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**Couse ID:** 1807021752      **Description:** Advanced Oncology Nursing (2)

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**Couse ID:** 1807021753      **Description:** Advanced Oncology Nursing (3)

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**Couse ID:** 1807021767      **Description:** System Analysis and Design in Nursing

**Full Course Description:** (180702767) Systems Analysis and Design in Nursing: 3 CH (3+0) □  
System development; the process of selecting, designing, implementing and evaluating clinical information systems using the appropriate models; enhancement in the system based on the analysis process; and exploring the usability and security features of the system. □

## Courses Description

**College:** Nursing

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**Couse ID:** 1807021771      **Description:** Informatics Applications in Nursing

**Full Course Description:** (180702771) Informatics Applications in Nursing: 3 CH (3+0), Pre-requisite (180702767 or concurrent) □

Fundamental and advanced concepts of nursing informatics, applications of information technology in nursing and health care, technology issues and adoption, and theoretical foundation for information management; the role of the nurse informatician in managing health information and the ethical use of information in the health care industry; the use of computers for documentation in clinical settings and on investigating and evaluating web-based applications in nursing and health care. □

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**Couse ID:** 1807021772      **Description:** Information Technology Projects Management

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**Couse ID:** 1807021773      **Description:** Information Management and Health Care Database Systems

**Full Course Description:** (180702773) Information Management and Health Care Database Systems: 2 CH (2+0), Pre- requisite (180702771 or concurrent) □

Using different information databases in managing health care information; having hand-on experiences with databases, building a database, analyzing the information available in a database, and answering queries related to heath problems; understanding the requirements and gaining the knowledge for managing information in a health care database system; and identifying the requirements for documenting heath care information using standardized languages. □

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**Couse ID:** 1807021774      **Description:** Practicum in Nursing Informatics and Health Care Systems (1)

**Full Course Description:** (180702774) Practicum in Nursing Informatics (1): 2 CH (0+16), Pre-requisite (180702772 & 180702773) □

Using on theories and models of system analysis and design, evaluating the system from □ a standpoint of effect on patient care, nursing profession, and organizational objectives and strategic plans; working with a clinical system department to understand the implementation and evaluation of a clinical system application in nursing and heath care; identifying the information requirements and to evaluate the information output of the system; and participating in the planning, implementation or evaluation phase of an informatics project in nursing and health care. □

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**Couse ID:** 1807021775      **Description:** Practicum in Nursing Informatics and Health Care Systems (2)

**Full Course Description:** (180702775) Practicum in Nursing Informatics (2): 2 CH (0+16), Pre-requisite (180702774)

Applying informatics; working at the levels of the project management, user, vendor, and organization to evaluate the merit of a special information system application; employing the observational methodology of the actual use of information technology in nursing and heath care and analyze the sufficiency and appropriateness of the display and use of the information; and work ing with the vendors to assess the usability features of the system and suggest some enhancement based on the observations conducted at the user level. □