INTERAMERICAN UNIVERSITY OF PUERTO RICO
METROPOLITAN CAMPUS
SCIENCE AND TECHNOLOGY FACULTY
CARMEN TORRES DE TIBURCIO NURSING DEPARTMENT

SYLLABUS

I. GENERAL INFORMATION

Course Title	:	FUNDAMENTALS OF NURSING
Code and Number	:	NURS 1111
Credits	:	FOUR (4)
Academic Term	:	
Professor	:	
Office Location and Hours	:	
Office Telephone	:	787-250-1912 EXT. 2202
Email	:	

II. DESCRIPTION

Introduction to the nursing profession and its historical evolution. Emphasis on the principles of the conceptual frame and the concepts of the Program. Includes the ethical, legal, and moral aspects based on the practice standards. Discussion of the nursing process for adult care with common interferences in the functional health patterns that support physical processes. Integration of the principles and basic concepts of growth and development psycho-physiological aspects, considering cultural diversity within a safe environment. Corequisite: NURS. 1112, 1130.

III. OBJECTIVES

END OF PROGRAM STUDENT LEARNING OUTCOMES (GRADUATE PROFILE OF COMPETENCIES)

1. Demonstrate scientific and humanistic knowledge of the nursing discipline when analyzing biopsychosocial and spiritual aspects in the different stages of growth and development. (AAS)
2. Demonstrate theoretical and practical knowledge integrated into the safe and effective nursing care provided to individuals, families, and communities. (BSN)

GENERAL OBJECTIVES (COURSE STUDENT LEARNING OUTCOMES)

It is expected that upon completing the course, the student will be able to:

1. Explain the significant historical events and the contribution of the theories that distinguish the nursing profession.

2. Describe the principles and concepts of the conceptual frame of the Program, ethical, legal, and moral aspects, based on nursing standards.
3. Discuss the different concepts that are included in the standard of professional performance and in the process of nursing care.
4. Discuss the nursing process as a tool for the humanistic care of the adult with common interference, whereas functional health patterns.
5. Describe basic concepts of growth and development and human psychophysiological aspects considering its cultural diversity within a safe environment.
6. Use the skills of communication and the use of technology to provide quality care and carry out evidence-based nursing practice.

IV. CONTENT

A. Historic Evolution of Nursing
1. Nursing History
2. Carmen Torres de Tiburcio – Nursing Program Founder.
3. Theoretical models and conceptual frameworks in nursing.
   a. Definition of concepts.
   b. Theoretical contribution:
      1. Florence Nightingale (1860) – Environment Theory
      2. Virginia Henderson (1955) – Needs Theory Model
      3. Martha Rogers (1970) – Unitarian Human Theory
      4. Dorothea Orem (1971) – Self-Care Theory
      5. Sister Callista Roy (1979) – Adaptation Theory
      6. Jean Watson (1979) – Philosophy and Transcultural Nursing Care Model
      7. Madeleine Leininger (1991) – Cultural Care: Diversity and Universality Theory
      8. Josepha Campinha Bacote – Cross-Cultural Model
      9. Hildegard Peplau – Interpersonal Theory
      10. Malcolm Shepherd Knowles – Adult Learning Theory
      11. Erik Erikson – Psychosocial Development Theory
      12. Campinha-Bacote Cultural Competencies Model
   c. Other Theorical Disciplines in Nursing
      1. Abraham Maslow's Hierarchy of Needs
      2. Theory of Changes
      3. Theory of General Systems
      4. Marjory Gordons Functional Health Patterns Model
4. Roles and Standards of the Profession
   a. Roles
      1. Care Provider
      2. Professional Member

3. Nursing Care Coordinator
4. Nurse Researcher (EBP)
5. Administrator Role
6. Educational level
   a. Learning environments
7. Others
b. Expanded Roles
   1. Clinical Nurse Specialist
   2. Nurse Practitioner
   3. Nurse Anesthetist
   4. Nurse Midwife
c. Levels of Nursing Education
   1. Certified Nursing Assistant (CNA)
   2. Licensed Practical Nurse (LPN)
   3. Associate degree Nurse (ADN)
   4. Baccalaureate Nurse (BSN)
   5. Master's degree in nursing (MSN)
   6. Doctorate Degree (DD)
d. Professional Nursing Organizations
   1. American Nurses Association (A.N.A.)
   2. Accreditation Commission of Education in Nursing (ACEN)
   3. International Council of Nursing (I.C.N.)
   4. Student Nursing Associations
   5. Colegio de Profesionales de la Enfermería de Puerto Rico (C.P.E.P.R.)
   6. Honor Society of Nursing (Sigma Theta Tau)
   7. World Health Organization (WHO)
   8. Institute of Medicine- IOM
e. Occupational Professional Guidelines
   1. Nursing Care
      a. Nursing Process
   2. Professional Performance
      a. Quality nursing care
         1. National Patient Safety Goals
         2. Team Steps
            a) Professional Growth
            b) Education
            c) Membership
            d) Ethics
            e) Collaboration
            f) Nursing Research and Evidence-Based Care
            g) Resources utilization
            h) Practical Scenarios
               1) Hospitals
               2) Home Care

3) Private Institutions
4) Community
5) Others

B. Dimensions of the practice
1. Nursing practice
2. Education in nursing.
3. Research in evidence-based practice role.
4. Trends in the profession.
5. Nursing role in computer science.

C. Ethical-legal and Moral Aspects
1. Definition of Concepts
   a. Morality
   b. Code of Ethics
   c. Values
   d. Principles
   e. Culture
   f. Others
2. Nursing Code of Ethics
   a. Autonomy
   b. Justice
   c. Benevolence
   d. Nonmaleficence
   e. Beneficence
   f. Accountability
3. Code of ethics in the professional nurse-client relationship
   a. Veracity
   b. Fidelity
   c. Confidentiality
   d. Privacy
4. Professional Code of Ethics
   a. A.N.A.
   b. Colegio de Profesionales de Enfermería de Puerto Rico
5. Legal Aspects of Nursing
   a. Definition of concept
   b. Legal Principles
6. Practice Laws and regulations
   a. Act # 254 (Regulate the Nursing Practice in Puerto Rico, 2015).
   b. Act # 82 (To establish CPEPR,1973).
   c. Act #11 (Law of the Puerto Rico health professional's registry from 1976).
   d. Act #139 (Good Samaritan law 1976) and amendments.
   e. HIPAA (Health Insurance Portability and Accountability Act, 1996).
   f. Act #408 (Puerto Rico Mental Health Code, 2000).
   g. EMTALA (Emergency Medical Treatment & Labor Act,1986).

h. OSHA (Occupational Safety and Health Administration,1970).
       7. Professional Values
       8. Code of Ethics
       9. Decision-Making Model
      10. Advocacy
      11. Nursing as an agent of change.
      12. Ethical Legal aspects in computer science.
D. Legal aspect of nursing.
       1. Legal concepts of nursing.
       2. Legal aspects in nursing.
       3. Areas of possible violations.
       4. Liability practice
       5. The student's legal responsibility.
       6. Practice legal responsibility.
E. Conceptual framework of the nursing program.
       1. Mission
       2. Philosophy
       3. Concepts Definitions
            a. Person
            b. Society
            c. Health
            d. Nursing
            e. Nursing Education
       4. Curriculum Program Conceptual framework:
            a. Concepts that provide wideness:

                 1) Nursing Process
                          a. Diagnostic Reasoning
                          b. Therapeutic Reasoning
                 2) Humanistic Care
                          a. Patient-centered care.
                          b. Values:
                                 1. Professional
                                 2. Human Dignity
                                 3. Cultural Competency
                                     a) Cultural
                                     b) Cultural Knowledge
                                     c) Cultural awareness
                                     d) Cultural Skills
                                     e) Cultural encounters
                                     f)   Cultural desire
                                     g) Cultural self-assessment
                                     h) Skills
                                     i)   Interactions
                                     j)   National Institute on Minority Health and

Health Disparities (NIMHD).
- b. Concepts that provide depthless:
    1) Wellness – Illness
    2) Communication
        1) Team Steps
        2) Computing, Technology
    3) Research: Evidence Base Practice
    4) Leadership and management

F. Introduction to the Nursing Process & Humanistic Care within a safe environment.
1. Definition of Nursing Process
2. Phases of the Nursing Process
    a. Assessment
        1) Introduction to Functional Health Patterns & Intervention
            a. Pattern: Health Perception and Management
                1. Cultural formation (7330)
                2. Health Screening (6520)
                3. Health System Guidance (7400)
    b. Pattern: Cognitive – Perceptual
        1) Pain Management (1400)
            a. Pain Perception
            b. Physiology of Pain
            c. Factors affecting the pain experience.
            d. Comfort
    c. Pattern: Nutritional – Metabolic
        1) Nutritional Management (1100)
            a. Nutritional Requirements
            b. Nutritional schemes
    d. Skin Care
        1) Tissue Integrity: skin and mucous membranes (1101).
        2) Skin Care: Topical Treatment (3584)
    e. Pattern: Elimination
        1) Systems of Elimination
            a. Intestinal Elimination (0501)
            b. Urinary Elimination (0590)
    f. Pattern: Sleep Rest
        1) Sleep Enhancement (1850)
            a. Physiology of Sleep
            b. Sleep Cycles
            c. Functions of Sleep
            d. Factors Affecting Sleep
            e. Measures that promote rest and sleep.
    g. Patterns: Activity – Exercise
            a. Exercise Promotion (0200)
                1. Strength Training (0201)
            b. Environmental Management

1. Safety (6486)
2. Fall Prevention (6490)
   c. Respiratory Monitoring (3350)
   1. Oxygenation
h. Process of Communication
   1. Interview - History of Nursing
   2. Documentation-EMR
   3. Different formats- DAR, SOAP, and narrative
      a. Confidentiality - HIPAA Act
      b. Subjective and Objective data
      c. North American Nursing Diagnosis Association (NANDA):
         1. Critical thinking skills
         2. Analysis and synthesis
         3. Formulation of the diagnosis
         4. Diagnostic categories
         5. Types of diagnostics
      d. Expected results (NOC)
         1. Expected results selection:
            a) Nursing Outcomes Classification
            b) Goals and objectives
      e. Planning
         1. Nursing Intervention Selection:
            a) Nursing Intervention Classification (NIC)
            b) Nursing Activities
      f. Intervention (NIC)
         1. Intervention Skills
      g. Evaluation
         1. Documentation
            a) Electronic Medical Records (EMR)
         2. Re-Evaluation
         3. Expected Results Achievement
      h. Concepts Involving Protection and Movement
   4. Security
      a. Factors affecting safety.
      b. National Patient Safety Goals JACHO.
      c. National Patient Safety Foundation (NPSF).
      d. "I'm Safe" checklist.
            a) Hygiene and self-hygiene.
      e. Mobility
      f. Skin integrity and wound healing.
            a) Pressure ulcers.
      g. Pain management
            a) Cultural considerations.
      h. Sensory perception
j. Functional Health Patterns in Nursing Interventions:
   1. Concepts Involving Homeostasis and Regulation.

a. Respiratory Function
b. Cardiac Function
c. Fluids, Electrolytes and Acid-Base
d. Nutrition
e. Urinary & Bowel Elimination

G. BIOPHYSIOLOGICAL ASPECTS

1. Definition of concepts:
   a. Biology
   b. Characteristics of life
   c. Levels of the organization
   d. Anatomy
      - Anatomical position
   e. Physiology
2. Body Planes and Cavities:
   a. Body Planes
   b. Directional Terms
   c. Body Cavities and Concepts
3. Levels of Organization:
   a. Cell
      1. Structure and Typical Functions
      2. Cellular Transport
      3. Cellular Environment
      4. Cellular Division
         a) Mitosis
         b) Meiosis
      5. Movement of substances across the cell membrane.
   b. Tissue
      1. Types and Functions
   c. Organs
      1. Types and functions
   d. Body Systems
      1. Structure and Function
4. Growth and Development of the Adult
   a. Concepts, Principles, and Theories.
   b. Factors that Influence Growth and Development.
   c. Growth and Development.
   d. Physical Changes, psychosocial, cognitive, and moral.
   e. Health concepts and well-being.
   f. Growth and development problems.

VI. ACTIVITIES
1. Discussion Forum
2. Analysis of hypothetical situations
3. Cultural case studies
3. Assignments

4. Collaborative work
5. Oral Presentations
6. Internet searches
7. Assessment

VII. EVALUATION

Criteria	Score	% of Final Grade
Partial Exam (2)	200	30
Final Exam or equivalent evaluation	100	25
Oral presentations	100	5
Assignments	100	10
Quizzes	100	10
Case Study	100	15
ATI registration / modules	100	5
TOTAL	**800**	**100**

VIII. SPECIAL NOTES

A. Auxiliary services or special needs
All students who require auxiliary services or special assistance must request these at the beginning of the course or as soon as they know that they need them through the proper registry in the Office of the Coordinator of Services to Students with Disabilities, Dr. María de los Angeles Cabello, located in the Counseling Program, Room 419, on the fourth floor of the John Will Harris Building, 787-250-1912, extension 2306.

B. Honesty, fraud, and plagiarism
Dishonesty, fraud, plagiarism, and any other inappropriate behavior with academic work constitute major infractions sanctioned by the General Student Regulations. The major infractions, as stated in the General Student Regulations, may consequently be suspension from the University for a definite period greater than one year or permanent expulsion from the University, among other sanctions.

C. Use of electronic devices
Cellular telephones and any other electronic device that could interrupt the teaching and learning processes or alter the environment leading to academic excellence will be deactivated. Any urgent situation will be dealt with, as appropriate. The handling of electronic devices that allow students to access, store, or send data during evaluations or examinations is prohibited.

D. Compliance with the Provisions of Title IX
The Federal Higher Education Act, as amended, prohibits discrimination because of sex in any academic, educational, extracurricular, and athletic activity or in any other program or function, sponsored or controlled by a

higher education institution, whether it is conducted within or outside the property of the institution if the institution receives federal funds.

In harmony with current federal regulations, in our academic unit an Assistant The coordinator of Title IX has been designated to offer assistance and orientation in relation to any alleged incident constituting discrimination because of sex or gender, sexual harassment, or sexual aggression. The Assistant Coordinator, Mr. George Rivera, can be reached by phone at (787) 250-1912 extension 2147, or by e-mail at grivera@metro.inter.edu.

The Normative Document Titled **Norms and Procedures to Deal with Alleged Violations of the Provisions of Title IX** is a document that contains the institutional rules to direct any complaint that appears to be this type of allegation. This document is available on the Web site of the Inter-American University of Puerto Rico (www.inter.edu).

IX. EDUCATIONAL RESOURCES

Textbook:

Craven, R.F., Hirnle, C.J, & Henshaw, C. (2020). *Fundamentals of Nursing: Concepts and Competencies for Practice*. (9th ed.). Lippincott Williams & Wilkins. ISBN: 978-1975120429.

Engelkirk & Duben-Engelkirk. (2018). Burton's Microbiology for the Health Sciences. (11th ed.). Jones & Bartlett Learning. ISBN: 1496380460 / 978-1496380463.

Patton, K., Bell, F., Thompson, T., & Williamson, P. (2022). *Anatomy & Physiology*. (11th ed.). Elsevier. ISBN: 978-0323775717.

X. BIBLIOGRAPHY (OR REFERENCES

Patton & Bell (2022). *Anatomy and Physiology Laboratory Manual and E-Labs*. 11th ed. Elsevier. ISBN 0323791069 / 978-0323791069.

Patton & Thibodeau (2018). *Anatomy & Physiology*. 10th ed. Mosby. ISBN 0323528902 / 978-0323528900.

Silvestri & Silvestri (2022). *Saunders Comprehensive Review NCLEX-RN Examination*. 9th ed. Saunders. ISBN 0323795307 / 978-0323795302.

Electronic Resources:

American Association of Colleges of Nursing https://www.aacnnursing.org/

American Nurses Association (ANA) http://www.nursingworld.org/

Bureau, U. S. C. (2023, April 6). Census.gov. Retrieved April 16, 2023, from https://www.census.gov/

CAI database http://cai.inter.edu/main_pages/medici_enfer_salud.htm

Centers for Disease Control and Prevention. (n.d.). *Centros para el control y la Prevención de Enfermedades CDC.* Centers for Disease Control and Prevention. Retrieved April 16, 2023, from http://www.cdc.gov/spanish/default.htm

Centro de Acceso a la Información- http://cai.inter.edu/

Chozas, J. M. V. (2023, April 16). *Patrones funcionales-modelo de Marjory Gordon.* Enfermería Actual. Retrieved April 16, 2023, from https://enfermeriaactual.com/patrones-funcionales/

Clinical guidelines and recommendations. AHRQ. (n.d.). Retrieved April 16, 2023, from https://www.ahrq.gov/prevention/guidelines/index.html

Cochrane (EBP) www.cochrane.org/

Colegio de Profesionales de la Enfermería de P.R. - http://cpepr.org/leyes-y-reglamentos/

Department of Labor Logo United States Department of Labor. Home | Occupational Safety and Health Administration. (n.d.). Retrieved April 16, 2023, from https://www.osha.gov/

Electronic Health Records. CMS. (n.d.). Retrieved April 16, 2023, from https://www.cms.gov/medicare/e-health/ehealthrecords

Home. Transcultural C.A.R.E Associates. (2022, December 6). Retrieved April 16, 2023, from http://transculturalcare.net/

Information Access Center-CAI http://www.metro.inter.edu/centro-acceso-informacion/

Instituto Nacional de Investigación en Enfermería (NIH) - http://www.nih.gov/ninr/.

Leyes y jurisprudencia de P.R. http://www.lexjuris.com

National Institute on Minority Health and Health Disparities (NIMHD)
http://www.nimhd.nih.gov/

National Institute of Nursing Research (NIH) https://www.nih.gov/about-nih/what-we-do/nih-almanac/national-institute-nursing-research-ninr

National Patient Safety Goals
http://www.jointcommission.org/PatientSafety/NationalPatientSafetyGoals/

OSHA https://www.osha.gov/

Transcultural Care Associates http://transculturalcare.net/
U.S. Census Bureau http://www.census.gov

U.S. Centers for Disease Control (CDC) https://www.cdc.gov/

U.S. Department of Health & Human Services Agency for Healthcare Research & Quality http://teamstepps.ahrq.gov/

Vital Statistics of PR Informe Anual Estadísticas Vitales | Estadísticas.PR (estadisticas.pr)

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