

## Degree in Nursing

Teaching: NURSING SCIENCES 2

SSD of Teaching: MED/45

Number of Credits: 5

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Module: NURSING SCIENCE - CLINICAL NURSING

SSD Course: MED/45

Credits: 3

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Module: ORGANIZATION OF NURSING PROFESSION

SSD Course: Med/45

Credits: 2

Professor's Name: FABIO D'AGOSTINO

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### **PREREQUISITES**

No prerequisites

### **LEARNING OBJECTIVES**

Aim of the Teaching is to:

- provide students with knowledge on the theoretical principles needed for care planning and provide a solution to basic care problems.
- Being able to perform the collection of excretions and secretions and provide adequate care to the patient in the diagnostic phase.
- demonstrate knowledge of the main nursing theories and apply the principles to nursing care.

### **LEARNING OUTCOMES**

#### **Knowledge and understanding:**

At the end of this teaching the student will need to:

- Know and understand the normal and altered characteristics of the excretions
- Know and understand the procedures for collecting urine, feces and sputum samples
- Know and understand the main disinfectants and antiseptics
- Know and understand the different types of drugs and their management
- Know and understand the patient's pain and its management
- Know and be able to understand the elements of a theory
- Know and understand the different types of theories and their application in clinical practice and research
- Know and understand the theories of V. Henderson, H. Peplau, D. Orem.
- Know and understand the nursing diagnosis concept and the nursing care plan

#### **Applying knowledge and understanding:**

At the end of the teaching, the student will be able to:

- Knowing how to apply the knowledge to evaluate the excretory function
- Apply the knowledge for using appropriate procedures to collect biological samples
- Knowing how to apply the knowledge to perform a postural drainage
- Knowing how to apply the knowledge to perform temporary and permanent bladder catheterization
- Knowing how to apply the knowledge to care a diaphoretic patient
- Knowing how to apply the knowledge to care a patient vomiting
- Knowing how to apply the knowledge for the correct use of disinfectants and antiseptics
- Knowing how to apply the knowledge for the correct use and management of drugs
- Knowing how to apply the knowledge to manage the patient's pain
- Knowing how to apply the knowledge of a theory in clinical practice and research to provide efficient and effective care
- Know how to use nursing diagnoses to identify patient's needs and to plan appropriate nursing interventions with related goals and outcomes evaluation
- Know how to record adequately the phases of the nursing process in nursing documentation.

### **Communication skills:**

At the end of the teaching, the student will need to:

- Know how to communicate using the correct scientific terminology to describe the excretory functions and the collection of the biological samples, the bladder catheterization, the disinfectants and antiseptics, the drugs and the patient's pain.
- Know how to communicate using correct scientific terminology to describe the theories of nursing and their application and to describe nursing diagnoses and their application

### **Making judgements**

At the end of the teaching, the student will need to perform:

- general assessments of the topics covered.

## **COURSE SYLLABUS**

- Excretory functions
- diuresis and diuresis disorders; urine alteration. Urine tests: urine collection for chemical and cultural examination and 24-hour urine collection, urine test strip
- temporary and permanent bladder catheterization, bladder lavage, bladder irrigation.
- bowel evacuation disorders, stool analysis, enema, manual evacuation. Stool tests: rectal swab, stool culture, fecal occult blood test
- sputum: description and interpretation. Positioning for postural drainage.
- perspiration: description and interpretation, nursing care for diaphoretic patient
- vomiting: pathophysiology, pathogenesis, observation of vomiting, nursing care for vomiting patient
- disinfectants and antiseptics
- drugs and controlled substances: types of drugs, pharmacological preparations and absorption methods, nurse's responsibility in the preparation, administration and evaluation of pharmacological therapy. Routes of administration: intravenous, intramuscular, intradermal, subcutaneous, oral, sublingual, topical, anal, vaginal, mucous.
- nursing responsibilities in drug storage and control
- pain: assessment, pain management
- Elements of a theory
- Type of theories: grand theories, middle range theories, situation specific theories

- Florence Nightingale's legacy of caring and its applications
- Early conceptualizations about Nursing, Virginia Henderson
- Nurse-patient relationship theory, Hildegard Peplau
- Dorothea Orem's self-care deficit
- Middle range and situation specific theories and application in nursing practice and research
- Nursing diagnosis, clinical reasoning and the nursing process
- Nursing documentation.

### **COURSE STRUCTURE**

The module Clinical Nursing is structured in frontal lectures for a total of 42 hours, discussions, student presentations, audiovisual, written assignments, assigned readings (texts, journals, electronic).

The module of Organization of Nursing Profession is structured in 28 hours of frontal teaching in English, divided into lessons of 2 or 4 hours according to the academic calendar. Discussions, student presentations, audiovisual, written assignments, assigned readings (texts, journals, electronic).

### **COURSE GRADE DETERMINATION**

The exam of the Teaching of Nursing Sciences 2 is comprised of an exam of the modules of CLINICAL NURSING, and ORGANIZATION OF NURSING PROFESSION, whose marks are an integral part of the Teaching.

The knowledge and ability to understand, the ability to apply knowledge and understanding, the autonomy of judgment and the communication skills of the student will weigh in the final score as follows 30%, 30%, 30% and 10%, respectively.

CLINICAL NURSING EXAM, will be oral. It will focus on the course contents

THE ORGANIZATION OF NURSING PROFESSION EXAM, will be oral. It will focus on the course contents. During the oral test, the Examining Commission will assess the student's ability to apply the knowledge and ensure that the skills are adequate to support and solve nursing problems.

### **READING MATERIALS**

- Potter & Perry (2017). Fundamentals of Nursing (9th Ed.) St. Louis, Missouri: Elsevier.
- Slides
- Nursing theories and nursing practice, 4th edition, Philadelphia Davis Company (2015). Parker M.E.
- Nursing diagnosis handbook: An evidence-based guide to planning care, 12th edition, Elsevier (2019). Ackley et al.

Journal articles suggested:

- Henderson V. (1964). The nature of nursing. The American Journal of Nursing; 64(8): 62-68.
- Riegel B., Dickson V.V. (2008). A situation-specific theory of heart failure self-care. Journal of Cardiovascular Nursing; 23(3):190-6.
- Riegel B., Jaarsma T. & Strömberg A. (2012). A Middle-Range Theory of Self-Care of Chronic Illness. Advances in Nursing Science; (35)3: 194-204.