

## Degree in Nursing

Teaching: NURSING SCIENCES III AND IV  
SSD Course: MED/45  
Credits: 8  
Professor's Name: DHURATA IVZIKU  
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Module: NURSING SCIENCES-CLINICAL NURSING-SPECIALIST MEDICINE  
SSD Course: MED/45  
Credits: 2  
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Module: NURSING SCIENCES-GENERAL MEDICINE -CLINICAL NURSING  
SSD Course: MED/45  
Credits: 2  
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Module: NURSING SCIENCES GENERAL SURGERY  
SSD Course: MED / 45  
Credits: 2  
Professor's Name: Angela Durante  
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Module: NURSING SCIENCES SPECIALIST SURGERY  
SSD Course: MED / 45  
Credits: 2  
Professor's Name name: Angela Durante  
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### PREREQUISITES

- instruments and modality of patient evaluation and identification of signs and symptoms of medical diseases acquired during the first semester classes of the current school year on Degree Course in Nursing.
- knowledge of human anatomy and physiology
- theoretical and practical knowledge acquired in the course of clinical nursing sciences 1 and general surgery.

### LEARNING OBJECTIVES

Aim of the Teaching is to:

- provide students with knowledge on the lectures of Clinical Nursing in Specialist Medicine aim to help students to elaborate a nursing assistance care plan from admission to discharge, for patients affected by medical specialist diseases
- be able to formulate correctly the nursing diagnosis for patients affected by specialist and surgical medical diseases.

## LEARNING OUTCOMES

Knowledge and understanding

At the end of this teaching, the student should know:

- Know and understand how to formulate a nursing care plan for the patient with respiratory diseases: pneumonia, bronchiectasis, chronic obstructive pulmonary disease
- Know and understand how to formulate a nursing care plan for the patient with heart disease: angina pectoris, myocardial infarction, pacemaker, heart failure
- Know and understand how to formulate a nursing care plan for the patient with hematological diseases: hematological disorders, leukemia, hemophilia and bone marrow transplantation
- Know and understand how to formulate a nursing care plan for patients with gastric and duodenal diseases: gastritis, peptic ulcer, stomach neoplasia, diverticulitis, chronic inflammatory bowel disease
- Know and understand how to formulate a nursing care plan for the patient with metabolic and endocrine disorders: liver cirrhosis, with diabetes, Cushing's syndrome, acute pancreatitis
- Know and understand how to formulate a nursing care plan of assistance for the patient with renal and urinary tract disorder: lower urinary tract infections, renal calculi, nephrotic syndrome, renal failure
- Know and understand how to formulate a nursing care plan for the patient with disorder of the immunological system: AIDS, rheumatic pathology
- Know and understand how to formulate a nursing care plan for the patient with skin pathology: psoriasis, malignant melanoma, Kaposi's sarcoma
- Know and understand how to formulate a nursing care plan to assist the patient with sensory and neurological system dysfunctions: neurological disorders, stroke, multiple sclerosis, Parkinson's disease, epilepsy, head trauma, spinal cord injury, paraplegia, Guillain-Barré syndrome
- Know and understand how to formulate a nursing care plan for the patient with infectious disease and sexually transmitted diseases
- Know and understand how to do the admission of the patient in the medical area and fill in the nursing documentation
- Know and understand how to prepare and assist the patient during and after radio diagnostic examination procedures with and without contrast, ultrasound examinations, radioactive isotope exams, endoscopic examinations such as laryngoscopy, bronchoscopy, esophagogastroduodenoscopy, colonoscopy, proctoscopy, cystoscopy
- Know and understand the correct technique for performing vein blood sampling, peripheral and capillary; blood culture, arterial blood sampling, Central Venous Pressure detection
- Know and understand how to perform intravenous injections and infusions
- Know and understand the patient's assistance during thoracentesis, paracentesis, lumbar puncture, pericardiocentesis, bone marrow aspiration, liver biopsy, bone biopsy, renal biopsy
- Know and understand how to perform peritoneal dialysis and the elements of hemodialysis
- Know and understand the concepts related to the nursing process and individualized care plan for the patient suffering from medical pathology: respiratory with particular reference to oxygen therapy, aerosol therapy; diabetic with particular reference to the execution of diagnostic tests, insulin therapy; cardio-vascular with particular reference to the execution of electrocardiogram
- How to identify nursing care needs and make a diagnosis, related to pathology of surgical interest,

- How to plan assistance for these needs,
- How to plan the path of the patient from acceptance, along the surgical process, until discharge,
- How to discuss specialized surgical problems, making use of consolidated knowledge in previous courses and inserting them into the surgical assistance logic,
- Which are the nursing care needs of the surgery area and make correct nursing diagnosis, related to pathology of specialized surgical interest,
- How to plan assistance to the aforementioned needs, providing for the resolution of problems with a multidisciplinary team;
- How to plan the path of the assisted by acceptance, along the surgical process, until discharge, differentiating by specialty.

#### Applying knowledge and understanding

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

- Know how to formulate a nursing care plan for the patient with metabolic and endocrine pathologies: liver cirrhosis, with diabetes, Cushing's syndrome, acute pancreatitis
- Know how to formulate a nursing care plan for patients with heart disease: angina pectoris, myocardial infarction, pacemaker, heart failure
- Know how to formulate a nursing care plan for patients with hematological diseases: hematological disorders, leukemia, hemophilia and bone marrow transplantation
- Know how to formulate a nursing care plan for patients with gastric and duodenal diseases: gastritis, peptic ulcer, stomach neoplasia, diverticulitis, chronic inflammatory bowel disease
- Know how to formulate a nursing care plan for the patient with metabolic and endocrine pathologies: liver cirrhosis, with diabetes, Cushing's syndrome, acute pancreatitis
- Know how to formulate a nursing care plan for the patient with pathology of renal and urinary function: lower urinary tract infections, renal calculi, nephrotic syndrome, renal failure
- Know how to formulate a nursing care plan for the patient with pathology of the immunological function: AIDS, rheumatic pathology
- Know how to formulate a nursing care plan for the patient with skin pathology: psoriasis, malignant melanoma, Kaposi's sarcoma
- Know how to formulate a nursing care plan for the patient with dysfunctions of the sensory and neurological system: neurological disorders, stroke, multiple sclerosis, Parkinson's disease, epilepsy, head trauma, spinal cord injury, paraplegia, syndrome Guillain-Barre Syndrome
- Know how to formulate a nursing care plan for the patient with infectious disease and sexually transmitted diseases
- Knowing how to apply the knowledge to perform the admission of the patient in the medical area and fill in the nursing documentation
- Knowing how to apply the knowledge for the correct preparation and assistance of the patient during and after radio diagnostic examination procedures with and without contrast, ultrasound examinations, radioactive isotope exams, endoscopic examinations such as laryngoscopy, bronchoscopy, esophagogastroduodenoscopy, colonoscopy, proctoscopy, cystoscopy
- Knowing how to apply the knowledge to perform the correct technique for vein blood sampling, peripheral and capillary; blood culture, arterial blood sampling, Central Venous Pressure detection
- Knowing how to apply the knowledge to perform intravenous injections and infusions

- Knowing how to apply the knowledge to perform the patient's assistance during thoracentesis, paracentesis, lumbar puncture, pericardiocentesis, bone marrow aspiration, liver biopsy, bone biopsy, renal biopsy
- Knowing how to apply the knowledge to perform peritoneal dialysis and the elements of hemodialysis
- Knowing how to apply the knowledge of the concepts related to the nursing process and individualized care plan for the patient suffering from medical pathology: respiratory with particular reference to oxygen therapy, aerosol therapy; diabetic with particular reference to the execution of diagnostic tests, insulin therapy; cardio-vascular with particular reference to the execution of electrocardiogram
- Perform nursing techniques related to the surgical field: monitoring vital signs regarding surgical procedures, pain management, treatment of surgical wounds
- Perform nursing techniques related to the specialist surgical field and prevent organ-dependent complications.

### Communication skills

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

- Know how to communicate using the correct scientific terminology to describe the nursing care process and individualized care plan, from admission to discharge, for the patient suffering from specialist medical pathology through the correct use of nursing diagnosis.
- Know how to communicate using the correct scientific terminology to describe the nursing process and individualized care plan for the patient suffering from medical pathology: respiratory with particular reference to oxygen therapy, aerosol therapy; diabetic with particular reference to the execution of diagnostic tests, insulin therapy; cardio-vascular with particular reference to the execution of electrocardiogram
- Manage a nursing interview for the identification of nursing-surgical issues and needs of the patient,
- Identify problems related to post-operative complications through the use of nursing tools that involve an interview with the patient,
- Provide information on the diagnostic-therapeutic procedures involved in the surgical process.
- Manage a nursing interview for the identification of specialized nursing-surgical problems and needs,
- Identify the problems related to post-operative complications (organ-dependent) through the use of nursing tools that involve an interview with the patient (and/or the caregivers),
- Provide information on the diagnostic-therapeutic procedures involved in the specialist surgical process.

### Making judgements

At the end of this teaching, the student should know:

- Know how to formulate the most correct and appropriate nursing care plan to assist the patient with metabolic and endocrine pathologies: liver cirrhosis, with diabetes, Cushing's syndrome, acute pancreatitis
- Know how to formulate the most correct and appropriate nursing care plan to assist the patient with heart disease: angina pectoris, myocardial infarction, pacemaker, heart failure
- Know how to formulate the most correct and appropriate nursing care plan to assist the patient with hematological diseases: hematological disorders, leukemia, hemophilia and bone marrow transplantation

- Know how to formulate the most correct and appropriate nursing care plan to assist the patient with gastric and duodenal diseases: gastritis, peptic ulcer, stomach neoplasia, diverticulitis, chronic inflammatory bowel disease
- Know how to formulate the most correct and appropriate nursing care plan to assist the patient with metabolic and endocrine pathologies: liver cirrhosis, with diabetes, Cushing's syndrome, acute pancreatitis
- Know how to formulate the most correct and appropriate nursing care plan to assist the patient with pathology of renal and urinary function: lower urinary tract infections, kidney stones, nephrotic syndrome, kidney failure
- Know how to formulate the most correct and appropriate nursing care plan to assist the patient with pathology of the immunological function: AIDS, rheumatic disease
- Know how to formulate the most correct and appropriate nursing care plan to assist the patient with skin disease: psoriasis, malignant melanoma, Kaposi's sarcoma
- Know how to formulate the most correct and appropriate nursing care plan to assist the patient with sensory and neurological system dysfunctions: neurological disorders, stroke, multiple sclerosis, Parkinson's disease, epilepsy, head trauma, spinal cord injury, paraplegia, Guillain-Barré syndrome
- Know how to formulate the most correct and appropriate nursing care plan to assist the patient with infectious disease and with sexually transmitted disease
- Knowing how to perform the appropriate admission of the patient in the medical area and fill in the nursing documentation
- Knowing when and how to perform the correct preparation and assistance of the patient during and after radio diagnostic examination procedures with and without contrast, ultrasound examinations, radioactive isotope exams, endoscopic examinations such as laryngoscopy, bronchoscopy, esophagogastroduodenoscopy, colonoscopy, proctoscopy, cystoscopy
- Knowing how to choose the appropriate material and perform the correct technique for vein blood sampling, peripheral and capillary; blood culture, arterial blood sampling, Central Venous Pressure detection
- Knowing how to choose the appropriate material and perform the correct technique for intravenous injections and infusions
- Knowing how to choose the appropriate material and perform the patient's assistance during thoracentesis, paracentesis, lumbar puncture, pericardiocentesis, bone marrow aspiration, liver biopsy, bone biopsy, renal biopsy
- Knowing how to choose the appropriate material and perform the peritoneal dialysis and the elements of hemodialysis
- Knowing how to identify the correct concepts related to the nursing process and individualized care plan for the patient suffering from medical pathology: respiratory with particular reference to oxygen therapy, aerosol therapy; diabetic with particular reference to the execution of diagnostic tests, insulin therapy; cardio-vascular with particular reference to the execution of electrocardiogram
- Govern the care processes of the patient with surgical treatment pathology, from admission to discharge.
- Govern the care processes of the patient with specialist surgical treatment pathology, from admission to discharge.

## **COURSE SYLLABUS**

- Admission of the patient in the medical area and the nursing documentation
- Preparation and assistance of the patient during and after radio diagnostic examination procedures with and without contrast, ultrasound examinations, radioactive isotope exams, endoscopic examinations such as laryngoscopy, bronchoscopy, esophagogastroduodenoscopy, colonoscopy, proctoscopy, cystoscopy
- Vein blood sampling, peripheral and capillary; Peripheral Intravenous Cannula (PIVC): insertion and management, blood culture, arterial blood sampling, Central Venous Catheter management, Central Venous Pressure detection
- Intravenous injections and infusions
- Preparation and assistance of the patient during thoracentesis, paracentesis, lumbar puncture, pericardiocentesis, bone marrow aspiration, liver biopsy, bone biopsy, renal biopsy
- Hemodialysis and peritoneal dialysis
- Oxygen therapy, aerosol therapy
- Insulin therapy
- Electrocardiogram
- Nursing process and individualized care plan for the patient suffering from medical pathology: respiratory diseases, diabetes and cardio-vascular diseases.
- acceptance of the patient in the surgical unit and compilation of the nursing documentation for election treatment and urgency procedure
- pre - operative care plan: preparation of the patient during the pre-anesthesia phase, safety transport to the operating room
- plan of assistance in post-operative phase, assistance during the recovery phase, pain management, vital signs monitoring and central venous pressure
- preparation of the surgical bed-unit, control of the vital signs, control of the drainages (by gravity and by suction)
- treatment of the surgical wound, wound dressing protocols of aseptic and septic injuries
- gastric and duodenal probing for diagnostic and therapeutic purposes; emergency treatment for esophageal varices hemorrhage: Sengstaken-Blakemore probe
- assistance to the patient with bleeding; shock, blood transfusion, blood products and autotransfusion: transport, storage and preparation; assistance during blood transfusion
- nutrition through: nasogastric tube, gastrostomy; continuous enteral feeding; total parenteral nutrition
- assistance to the patient with ostomy
- Assistance in the operating room
- The paths of the operating room: move correctly in the operating block
- preparation of operating room and surgical instruments, dressing of nursing and medical staff
- block operative, the electromedical equipment management, management of sterilization processes, aseptic concepts, antisepsis, bacteriostasis and sterilization; hand washing and use of gloves in relation to different care needs
- suture materials, surgical wound dressing
- patient positioning on the operating table
- assistance plan for the patient with pathologies of the respiratory tract subjected to surgery: laryngectomy, chest surgery
- assistance plan for patients with heart pathological conditions subjected to surgery: cardiac surgery, cardiac transplantation, surgery of large vessels (Aneurysms), general vascular surgery, principles of wound care

- assistance plan for the patient with pathologies of the digestive tract subjected to surgery: oral cavity, ligation of esophageal varices, duodenocephalus pancreasectomy, esophageal reconstruction on caustic burns, gastric surgery, colonstomy or ileostomy
- assistance plan for the patient with metabolic and endocrine disorders subjected to surgery: liver transplant, cholecystectomy, removal of the spleen, thyroidectomy, mastectomy
- assistance plan for the patient with pathology of renal and urinary function subjected to intervention of: kidney stones, urinary derivation (nephrostomy / urostomy), renal transplant
- patient care plan with dysfunctions of the central neurological system subjected to surgery: endocranial, cervical surgery
- assistance plan for patients with dermatological diseases of surgical interest
- assistance plan for burn patients.

### **COURSE STRUCTURE**

The module of Clinical Nursing-Specialist Medicine is structured in lectures in English.

Lectures/discussions, student presentations, audiovisual, written assignments, assigned readings (texts, journals, electronic).

The module of Clinical Nursing-General Medicine is structured in lectures in English.

Lectures/discussions, student presentations, audiovisual, written assignments, assigned readings (texts, journals, electronic).

The module of Nursing Science-General Surgery is structured in 20-hour traditional class, 4-hour clinical case simulation, problem- based learning 4 hours.

For a total of 28 hours.

The module of Nursing Science-Specialist Surgery is structured in traditional classes 20 hours, discussion of focused clinical cases 4 hours, Problem Based Learning 4 hours.

For a total of 28 hours.

### **COURSE GRADE DETERMINATION**

The exam of the Teaching of Nursing Sciences III and IV is comprised of an exam of the modules of CLINICAL NURSING-SPECIALIST MEDICINE, CLINICAL NURSING – GENERAL MEDICINE, NURSING SCIENCE-GENERAL SURGERY, NURSING SCIENCE-SPECIALIST SURGERY, whose marks are an integral part of the Integrated Course exam evaluation.

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-SPECIALIST MEDICINE EXAM: The exam will be oral. It will focus on the course contents.

GENERAL MEDICINE-CLINICAL NURSING EXAM: The exam will be oral. It will focus on the course contents.

NURSING SCIENCE-GENERAL SURGERY EXAM: Written test with multiple choice questions (30 questions with a value of 1 point), access to the compulsory oral exam with a guided case simulation with a minimum of 20 correct questions in the written test.

NURSING SCIENCE-SPECIALIST SURGERY EXAM: Written test with multiple choice questions (30 questions with a value of 1 point), access to the compulsory oral exam with a guided case simulation with a minimum of 20 correct questions in the written test.

### **OPTIONAL ACTIVITIES**

Technical laboratory for practical demonstrations.

### **READING MATERIALS**

- Doenges, Moorhouse & Morr (2014). *Nursing Care Plans: Guidelines for Individualizing Client Care Across the Life Span* (9th Ed.) Philadelphia: F. A. Davis Company
- Slides. Students must study the slides provided that should be integrated with the textbook,
- Potter & Perry (2017). *Fundamentals of Nursing* (9th Ed.) St. Louis, Missouri: Elsevier.
- Alloni , R., Destrebecq , A., Gianotti , L., & Poma, S. (2005). *Clinical nursing in surgery* . Ulrico Hoepli.
- Brunner, LS (2010). *Brunner & Suddarth's textbook of medical-surgical nursing* (Vol. 1 and 2 ). Lippincott Williams & Wilkins.
- Dougherty, L. (Ed.). (2015). *The Royal Marsden manual of clinical nursing procedures* . John Wiley & Sons .
- Brunner, LS (2010). *Brunner & Suddarth's textbook of medical-surgical nursing* (Vol. 1 and 2 ). Lippincott Williams & Wilkins.
- Dougherty, L. (Ed.). (2015). *The Royal Marsden manual of clinical nursing procedures* . John Wiley & Sons.