

Course Degree in Nursing

Teaching: NURSING SCIENCES III AND IV

SSD: med/45

Numero di CFU: 8

Director: Dhurata Ivziku email: dhurata.ivziku@unicamillus.org

Office hours (by appointment) wednesday from 15 to 16

Module: NURSING SCIENCES-CLINICAL NURSING-SPECIALIST MEDICINE

SSD Course: MED/45

Credits: 2

Professor's Name: DHURATA IVZIKU

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Module: NURSING SCIENCES-GENERAL MEDICINE -CLINICAL NURSING

SSD Course: MED/45

Credits: 2

Professor's Name: DHURATA IVZIKU

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Module: NURSING SCIENCES GENERAL SURGERY

SSD Course: MED / 45

Credits: 2

Professor's Name: Angela Durante

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Office hours (by appointment) wednesday from 15 to 16

Module: NURSING SCIENCES SPECIALISED SURGERY

SSD Course: MED / 45

Credits: 2

Professor's Name name: Antonio Petruzzo

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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, chronic obstructive pulmonary disease, influenza, tuberculosis, asthma, pulmonary embolism.
- Know and understand how to formulate a nursing care plan for the patient with heart disease: angina pectoris, myocardial infarction, hypertension, heart failure
- Know and understand how to formulate a nursing care plan for the patient with metabolic disorders: diabetes mellitus, hepatic cirrhosis, hepatitis, renal failure (acute and chronic), inflammatory bowel diseases (diverticulitis, ulcerative colitis and Crohn's disease).
- Know and understand how to formulate a nursing care plan for the patient with endocrine disorders: Cushing's syndrome, pancreatitis (acute and chronic), thyroid dysfunctions (hypothyroidism, hyperthyroidism, thyroid storm).
- Know and understand how to formulate a nursing care plan for the patient with infective diseases or disorder of the immunological system: meningitis, HIV and AIDS, varicella and measles, infectious diarrhea and scabies.
- Know and understand how to write down nursing diagnosis, identify causing factors or risks and etiologic factors.
- 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 bronchoscopy, esophagogastroduodenoscopy, colonoscopy, and coronarography
- Know and understand the correct technique for performing vein blood sampling, peripheral and capillary; blood culture, arterial blood sampling
- Know and understand how to perform intravenous injections and infusions preparation
- Know and understand the patient's assistance during thoracentesis, paracentesis, lumbar puncture, bone marrow aspiration, and liver biopsy
- Know and understand how to perform peritoneal dialysis and the elements of hemodialysis
- Know and understand the execution of electrocardiogram
- Know and understand the calculation of the dosage of medications

- How to identify nursing care needs and make a diagnosis, related to pathology of surgical interest,
- How to plan assistance for these care 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 and understand how to formulate a nursing care plan for the patient with respiratory diseases: pneumonia, influenza, chronic obstructive pulmonary disease, tuberculosis, asthma, pulmonary embolism.
- Know and understand how to formulate a nursing care plan for the patient with heart disease: angina pectoris, myocardial infarction, hypertension, heart failure.
- Know and understand how to formulate a nursing care plan for the patient with metabolic disorders: diabetes mellitus, hepatic cirrhosis, hepatitis, renal failure (acute and chronic), inflammatory bowel diseases (diverticulitis, ulcerative colitis and Crohn's disease).
- Know and understand how to formulate a nursing care plan for the patient with endocrine disorders: Cushing's syndrome, pancreatitis (acute and chronic), thyroid dysfunctions (hypothyroidism, hyperthyroidism, thyroid storm).
- Know and understand how to formulate a nursing care plan for the patient with infective diseases or disorder of the immunological system: meningitis, HIV and AIDS, varicella and measles, infectious diarrhea and scabies.
- Know and understand how to write down nursing diagnosis, identify causing factors or risks and etiologic factors.
- 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 bronchoscopy, esophagogastroduodenoscopy, colonoscopy, and coronarography
- Knowing how to apply the knowledge to perform the correct technique for vein blood sampling, peripheral and capillary; blood culture, arterial blood sampling
- Knowing how to apply the knowledge to perform intravenous injections and infusions preparation

- Knowing how to apply the knowledge to perform the patient's assistance during thoracentesis, paracentesis, lumbar puncture, bone marrow aspiration, and liver biopsy
- Knowing how to apply the knowledge with particular reference to the execution of electrocardiogram
- Knowing how to apply the knowledge with particular reference to calculation of the dosage of medication
- 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 respiratory diseases: pneumonia, influenza, chronic obstructive pulmonary disease, tuberculosis, asthma, pulmonary embolism.

- Know how to formulate the most correct and appropriate nursing care plan to assist the patient with heart disease: angina pectoris, myocardial infarction, hypertension, heart failure.
- Know how to formulate the most correct and appropriate nursing care plan to assist the patient with metabolic disorders: diabetes mellitus, hepatic cirrhosis, hepatitis, renal failure (acute and chronic), inflammatory bowel diseases (diverticulitis, ulcerative colitis and Crohn's disease).
- Know how to formulate the most correct and appropriate nursing care plan to assist the patient with endocrine disorders: Cushing's syndrome, pancreatitis (acute and chronic), thyroid dysfunctions (hypothyroidism, hyperthyroidism, thyroid storm).
- Know how to formulate the most correct and appropriate nursing care plan to assist the patient with infective diseases or disorder of the immunological system: meningitis, HIV and AIDS, varicella and measles, infectious diarrhea and scabies.
- Know how to formulate the most correct and appropriate nursing care plan, write down nursing diagnosis, identify causing factors or risks and etiologic factors.
- 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 bronchoscopy, esophagogastroduodenoscopy, colonoscopy, and coronarography
- Knowing how to choose the appropriate material and perform the correct technique for vein blood sampling, peripheral and capillary; blood culture, arterial blood sampling
- Knowing how to choose the appropriate material and perform the correct technique for intravenous injections and infusions preparation
- Knowing how to choose the appropriate material and perform the patient's assistance during thoracentesis, paracentesis, lumbar puncture, bone marrow aspiration, and liver biopsy
- Knowing how to identify the correct concepts related to the execution of electrocardiogram
- Knowing how to identify the correct concepts related to the calculation of the dosage of medication.
- 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

GENERAL MEDICINE -CLINICAL NURSING

- 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 bronchoscopy, esophagogastroduodenoscopy, colonoscopy, and coronarography
- Vein blood sampling, peripheral and capillary; blood culture, arterial blood sampling
- Intravenous injections and infusions preparation
- Preparation and assistance of the patient during thoracentesis, paracentesis, lumbar puncture, bone marrow aspiration, and liver biopsy
- Hemodialysis and peritoneal dialysis
- Electrocardiogram

CLINICAL NURSING-SPECIALIST MEDICINE

- Nursing care plan for patients with respiratory tract diseases: pneumonia, influenza, chronic obstructive pulmonary disease, tuberculosis, asthma, pulmonary embolism.
- Nursing care plan for patients with heart disease: angina pectoris, myocardial infarction, hypertension, heart failure.
- Nursing care plan for patients with metabolic disorders: diabetes mellitus, hepatic cirrhosis, hepatitis, renal failure (acute and chronic), inflammatory bowel diseases (diverticulitis, ulcerative colitis and Crohn's disease).
- Nursing care plan for patients with endocrine disorders: Cushing's syndrome, pancreatitis (acute and chronic), thyroid dysfunctions (hypothyroidism, hyperthyroidism, thyroid storm).
- Nursing care plan for patients with infective diseases or disorder of the immunological system: meningitis, HIV and AIDS, varicella and measles, infectious diarrhea and scabies.
- Nursing care formulation, the most correct and appropriate way to write down nursing diagnosis, identify causing factors or risks and etiologic factors.

NURSING SCIENCES GENERAL SURGERY

- 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

NURSING SCIENCES SPECIALISED SURGERY

- 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, colonostomy 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.

MODALITÀ DI VERIFICA DELL'APPRENDIMENTO

L'esame dell'Insegnamento di Scienze Infermieristiche 3 e 4 consiste in un esame orale dei moduli di INFERMIERISTICA CLINICA-MEDICINA SPECIALISTICA, INFERMIERISTICA CLINICA – MEDICINA GENERALE, SCIENZE INFERMIERISTICHE CHIRURGIA GENERALE, SCIENZE INFERMIERISTICHE CHIRURGIA SPECIALISTICA, la cui votazione costituisce parte integrante della valutazione dell'esame dell'Insegnamento.

La conoscenza e la capacità di comprensione, la capacità di applicare conoscenza e comprensione, l'autonomia di giudizio e le abilità comunicative dello studente, peseranno nel punteggio finale rispettivamente nel 30%, 30%, 30%, e 10%.

ATTIVITÀ DI SUPPORTO

Laboratorio tecnico per le dimostrazioni pratiche.

TESTI CONSIGLIATI E BIBLIOGRAFIA

- Doenges, Moorhouse & Morr (2014). *Nursing Care Plans: Guidelines for Individualizing Client Care Across the Life Span* (9th Ed.) Philadelphia: F. A. Davis Company.
- Slides. Gli studenti dovranno studiare le slides consegnate e li devono integrare con il libro di testo.
- Potter & Perry (2017). *Fundamentals of Nursing* (9th Ed.) St. Louis, Missouri: Elsevier.
- Alloni, R., Destrebecq, A., Gianotti, L., & Poma, S. (2005). *Infermieristica clinica in chirurgia*. Ulrico Hoepli.
- Brunner, L. S. (2010). *Brunner & Suddarth's textbook of medical-surgical nursing* (Vol. 1 e 2). Lippincott Williams & Wilkins.
- Dougherty, L. (Ed.). (2015). *The Royal Marsden manual of clinical nursing procedures*. John Wiley & Sons.
- Brunner, L. S. (2010). *Brunner & Suddarth's textbook of medical-surgical nursing* (Vol. 1 e 2). Lippincott Williams & Wilkins.
- Dougherty, L. (Ed.). (2015). *The Royal Marsden manual of clinical nursing procedures*. John Wiley & Sons.