

Human Anatomy and Physiology [1302103]

Offerta didattica a.a. 2026/2027

Docenti: SIMONE CAROTTI, MARIA ZINGARIELLO, LORENZO PIRO, LIVIA LA BARBERA, LORENZO NEVI, VALENTINA RAPACCINI

Periodo: Ciclo Annuale Unico

Obiettivi formativi

The course aims to provide students with the knowledge necessary for the conscious and reasoned exercise of the nursing profession in relation to: a) the general organization and structure of the human body, from the macroscopic to the microscopic level; b) specific mechanisms of functioning and interactions of organs and systems; c) the physical phenomena underlying the operation and use of the medical instrumentation.

Prerequisiti

Basic knowledge of biology is required as a prerequisite.

Contenuti del corso

The contents of the course concern the organization, morphology and function of the human body.

Anatomy Module

- Anatomical Terminology: Reference points, lines, and planes.
- Introduction to Cytology: The cell, cell membrane, cytoplasm, organelles, nucleus, cell division, and cell differentiation.
- General Concepts of Tissue Organization: Epithelial, connective, muscular, and nervous tissue.
- Introduction to General Embryology.
- Locomotor System: Overview of bones, joints, and muscle groups of the head, trunk, and limbs.
- Cardiovascular System: General concepts of systemic and pulmonary circulation. Blood. The Heart. General overview of the arterial, venous, and lymphatic systems. Spleen, thymus, and lymph nodes.
- Respiratory System: Airways: nasal cavities, larynx, trachea, bronchi. Lungs and pleurae. The mediastinum.
- Digestive System: General architecture of the digestive tract. Oral cavity, pharynx, esophagus, stomach, small intestine, large intestine. Liver and biliary tract; pancreas. Abdominal cavity and peritoneum.
- Urogenital System: Kidney: morphology and structure; urinary tract. Overview of the male and female genital systems.
- Endocrine System: Overview of the main endocrine glands: pituitary, thyroid, adrenal glands.
- Nervous System: General concepts; architecture and anatomo-functional basis of the nervous system; overview of the morphology of the central nervous system; the main motor and sensory pathways; overview of the organization of the peripheral and autonomic nervous systems. Sense Organs: Eye and ear. Overview of the integumentary system.

Histology Module

- Introduction to Histology: General concepts, classification of tissues, histological techniques (fixation, embedding, sectioning, staining).
- Epithelial Tissue: Classification, functions, exocrine and endocrine glands.
- Connective Tissue: Classification, components of the extracellular matrix, types of connective tissue cells.
- Muscular Tissue: Classification, structure, and function of skeletal, smooth, and cardiac muscles.
- Nervous Tissue: Structure of neurons and glial cells, nerve impulse conduction.
- Functional Organization of Tissues: Interaction between tissues to form organs and systems.

Physics Module

- The Concept of Measurement and Units: Units of measurement, conversions between units; scalar and vector quantities.
- Mechanics and Dynamics: Motion of bodies; forces, gravitational force, energy, and work; torque (moment of a force), statics of bodies, levers (in application to the musculoskeletal system).
- The Structure of Matter: Changes of state.
- Fluids: Pressure and its measurement. Fluid statics and dynamics, in relation to the cardiovascular system.
- Gases: Heat and temperature, heat transfer, the gas laws.
- Electricity and Magnetism: Electric charges, potential, electric currents; magnetic fields. Waves.
- Examples of Applications: Physical concepts in diagnostic methods (e.g., ultrasound).

Physiology Module

- Introduction to the Course: Diffusion. Membrane transport. Membrane potential. Action potential. Axonal conduction. Synaptic transmission. Synaptic integration. Synaptic plasticity. Autonomic nervous system.
- Cardiac Physiology: Cardiac cycle. Regulation of cardiac output. Cardiac metabolism. Coronary circulation.

Cardiac action potential. Conduction system. Chronotropy, dromotropy, inotropy. ECG.

- Vascular Physiology: Vascular compliance. Blood volume (Volemia). Venous pressure. Arterial pressure.

Principles of hemodynamics. Clinical hemodynamics.

- Respiratory Physiology: Lung volumes and capacities. Respiratory mechanics. Law of ventilation.

Alveolar-capillary gas exchange. O₂ and CO₂ transport in the blood. Genesis and regulation of the respiratory rhythm.

- Renal Physiology: Glomerular filtration. Transport in the different segments of the nephron. Regulation of water and salt balance. Acid-base balance.

- Endocrine System: The endocrine pancreas.

- Digestive Physiology: Organization and function of the digestive tract. Control of digestive function. Hormones of the digestive system. Enteric nervous system. Gastric digestion. Functions of the liver.

- Nervous System Physiology: Central and peripheral nervous system. Overview of neurovascular pathologies (e.g., Stroke, TIA) and epileptic disorders. Alterations of the arousal and consciousness system (Coma, Brain Death).

- Motor Systems: Motor control. Overview of main pathologies of the pyramidal and extrapyramidal systems. The somatosensory system. Physiology of pain.

Under the morphological aspect, particular emphasis will be given to the macroscopic, functional and clinical anatomy. In terms of function, the fundamental physiological mechanisms of body functions will be considered.

Metodi didattici

Theoretical lessons; interactive practical lessons and tutorials under the guidance of tutors. Autonomous and guided learning.

Modalità di verifica dell'apprendimento

The examination is held at the end of the course during the official exam sessions scheduled in the academic calendar. A single final grade will be given, which takes into account the results of the assessments for each individual module.

Anatomy and Histology Assessment The assessment for the Anatomy and Histology modules consists of a written test with multiple-choice questions. This can be supplemented, at the student's choice, by an oral exam. The oral exam aims to verify the acquisition of knowledge and the ability to apply it, during which the student must demonstrate an adequate level of in-depth understanding of the subject, including references to topics in functional, topographic, and clinical anatomy. Optional mid-term self-assessment tests on the topics covered may be offered to provide students with ongoing feedback on their preparation level; these tests may contribute as credit for the final exam.

Physics Assessment The assessment for the Physics module consists of a written test that requires solving simple exercises and answering open-ended or multiple-choice theory questions. The exercises and questions are designed to assess both the critical ability to recognize a physical problem and solve it with the appropriate tools, and the ability, through simple calculations, to obtain a correct quantitative evaluation of the phenomenon being studied. The minimum passing grade for the written test is 18/30. An optional oral exam, which will delve deeper into topics discussed in lectures, may be taken by the student; the final grade will be the average of the written and oral exam scores. The oral exam is mandatory for students wishing to achieve the maximum grade.

Physiology Assessment The Physiology assessment is designed to verify that the student has sufficient knowledge of the fundamental physiological mechanisms and parameters of bodily functions for the conscious and reasoned practice of the nursing profession. The Physiology assessment consists of two multiple-choice written tests and one oral exam. The written tests are composed of multiple-choice questions (30 questions per test, 1 hour allotted for each). Each written test provides a maximum score of 16 points. A total of at least 16 points from both written tests is required to be admitted to the oral exam. Passing the written exams is mandatory to take the oral exam.

The final grade for the Physiology module is determined exclusively by the oral exam; the score obtained in the written tests does not influence the final grade.

Final Grade Calculation

The final grade is determined collectively by teaching staff and is established based on the evaluations of the different modules to express a comprehensive overall assessment. The grade will be assigned within the ranges listed below, based on the following learning parameters:

- 18-23: Sufficient knowledge of the topics, modest command of language and ability to use discipline-specific terminology appropriately, modest/poor logical-critical skills in recognizing and describing physical phenomena, histological and anatomical structures, their functional correlations, and the main aspects of clinical application.
- 24-27: Sufficient/good knowledge of the topics, modest/good command of language and ability to use discipline-specific terminology appropriately, modest/good logical-critical skills in recognizing and describing physical phenomena, histological and anatomical structures, their functional correlations, and the main aspects of clinical application.
- 28-30: Excellent knowledge of the topics, excellent command of language and ability to use discipline-specific terminology appropriately, excellent logical-critical skills in recognizing and describing physical phenomena, histological and anatomical structures, their functional correlations, and the main aspects of clinical application.
- 30L (30 cum laude / with honors): Outstanding knowledge of the topics, outstanding command of language and ability to use discipline-specific terminology appropriately, and outstanding logical-critical skills in recognizing and describing physical phenomena, histological and anatomical structures, their functional correlations, and the main aspects of clinical application.

Testi di riferimento

- P. Carinci, E. Gaudio, G. Marinozzi, S. Morini, P. Onori, Anatomia umana e istologia, seconda edizione 2012, Elsevier, Milano.
- F.H. Martini, R.B. Tallitsch, J.L. Nath, Anatomia Umana, settima edizione 2019, EdiSES Edizioni S.r.l., Napoli
- Ballesio P., Fisica per Infermieri, Carrocci Faber Ed. Roma, 2004.
- Materiale delle lezioni ed esercizi messi a disposizione dal docente di fisica.
- Dee U. Silverthorn e Alberto Portalupi, Fisiologia umana. Un approccio integrato. Ediz. MyLab. Con Contenuto digitale per accesso online di | 20 feb. 20
- R. Klink. Fisiologia Medica. Terza edizione italiana. EdiSes, 2012 (per approfondimenti).

Altri testi:

- F. Netter, Atlante di Anatomia Umana, Elsevier, Milano.
- AAVV, Guida alla lettura dell'atlante di Anatomia Umana di Frank Netter, Elsevier, Milano.
- G. Marinozzi, E. Gaudio, M. Ripani, Anatomia Clinica, A. Delfino Editore, Roma.
- R. Klink. Fisiologia Medica. Terza edizione italiana. EdiSes, 2012.
- AAVV, Anatomia dell'uomo (Volume unico), Edi-Ermes, Milano.

Risultati di apprendimento specifici

Students must know the principles of the structure and function of vital organs.

In particular, at the end of the course, the student should be able to:

- acquire the general principle of the functional organization of human body;
- associate the complexity of physiological function with the molecular and cellular principles;
- present different physiological functions and evaluate their potential clinical relevance;
- be familiar with the main sites of injury based on pathognomonic clinical signs and symptoms;

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2026)	comune	10	BIOS-06/A, BIOS-06/A, BIOS-12/A, BIOS-12/A, BIOS-13/A, PHYS-06/A

Stampa del 30/07/2026

Clinical Law, General Deontology and Applied Bioethics [1302304]

Offerta didattica a.a. 2026/2027

Docenti: GIUSEPPE LA MONACA, GIOVANNI BATTISTA MOTTINI, ANNA DE BENEDICTIS

Periodo: Secondo Ciclo Semestrale

Obiettivi formativi

The main educational goal of the course is to introduce students to the legal, ethical and social issues which are the basis of the practice of nursing profession.

Prerequisiti

In order to take the exam, it is necessary to have learned the contents related to Anthropology, Ethics, and Bioethics covered in the previous courses.

Contenuti del corso

Social Medicine

Introduction to Social Medicine and methodology. Drug addiction. Global Health. AIDS as a social pathology. Immigration: demographic aspects and health profile of the migrant

Legal Medicine

Nurse legal qualification. Principles of liability according penal and civil code. Crimes against life and individual health, crimes of sexual violence. Abortion. Compensation for damage to person according civil law. Professional secret and other professional duties. Principles of thanatology and rules on the assessment of death. The duty to inform the patient.

Anthropology

Topics in Anthropology: principles of anthropology and ethics; existential styles; moral distress; care relationship; resilience; leadership styles.

Applied bioethics

Topics in Bioethics: formation of the moral subject; death, end of life and euthanasia; beginning of life and abortion; participation in the care process and communication of bad news; addictions; ethics of well-done work; quality of care and person-centeredness in nursing; bioethics, new technologies and artificial intelligence.

Metodi didattici

Social Medicine: 12 hours of lectures

Legal Medicine: 12 hours of lectures

Applied bioethics: 6 hours of lectures and seminars, 6 hours of clinic case analysis and debates

Anthropology: 6 hours of lectures and seminars, 6 hours of clinic case analysis and debates.

Modalità di verifica dell'apprendimento

The assessment of learning will take place by an oral examination, during which the student answer a series of questions aimed at assessing their knowledge, interpretative skills and ability to analyze the contents of the subjects discussed. The final evaluation is expressed in thirtieths and takes into account the degree of overall competence achieved by the student in all the aforementioned areas.

In the oral examination a score of 18-23/30 is assigned when the student demonstrates a basic knowledge of the topics; a score of 24-27/30 is assigned when he demonstrates an ability of interpretation of learned knowledge, and finally a score of 28-31/30 when he demonstrates an ability to analyze situations by applying the knowledge learned

Testi di riferimento

Legal Medicine:

La Monaca G., Tambone V., Zingaro N., Polacco M., L'informazione nel Rapporto Medico-Paziente, Giuffrè Milano, 2005.

Norelli G.A., Buccelli C., Fineschi V. Medicina Legale e delle Assicurazioni, Piccin, Padova, 2013.

Handouts prepared for students to facilitate the study.

Social Medicine:

G. Mottini, Cooperazione e sapere biomedico

G. Mottini, Povertà, alimentazione e sviluppo umano

M. Pelaez, G. Mottini, AIDS e bioetica: la tutela dei diritti umani

Anthropology and Applied Bioethics:

Elio Sgreccia. Manuale di Bioetica. Volume I – Fondamenti ed etica biomedica. Ed. Vita e Pensiero; 2019 (IV Edition, 2007, reprinted starting from 2019), Chapters 5, 10, 15 e 16.

Pablo Requena Meana. "Dottore non faccia tutto il possibile!". A cura di Vittoradolfo Tambone e Giampaolo Ghilardi. Collana Edizioni SEU "Etica del Lavoro ben fatto", 2021, Chapters 1, 3 e 5.

Risultati di apprendimento specifici

Knowledge and understanding of social issues of Medicine

Knowledge and understanding of the legal prerequisites of criminal and civil liability and the main crimes of interest for nursing profession

Knowledge and understanding of the ethics underlying the proper exercise of nursing profession

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2019)	comune	4	M-DEA/01, MED/43, MED/43, MED/43

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Final examination [13023PF]

Offerta didattica a.a. 2026/2027

Docenti:

Periodo: Secondo Ciclo Semestrale

Syllabus non pubblicato dal Docente.

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2019)	comune	6	PROFIN_S

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BIOCHEMISTRY AND APPLIED BIOLOGY [1302101]

Offerta didattica a.a. 2026/2027

Docenti: ELISABETTA RIVA, ALESSANDRO LEUTI, FRANCA ABBRUZZESE

Periodo: Primo Ciclo Semestrale

Obiettivi formativi

All students are expected to acquire knowledge on the biological factors that are mainly involved in the life with particular attention to the structure and function of the living cells.

Prerequisiti

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Contenuti del corso

The fundamental unit of the life: The cell: eukaryote and prokaryote cell. The cellular compartments.

Structure and function of the cell: The cellular membrane, the model of "fluid mosaic", the membrane bound proteins: channels, pumps, carriers and receptors, the endoplasmic reticulum (rough and smooth), the Golgi apparatus, the lysosomes, the peroxisomes, the mitochondria, the nucleus, the cytoskeleton and the microtubules.

The ways that molecules pass through membrane: Facilitated transport, active transport, passive transport. Osmosis, exocytosis, endocytosis and pinocytosis ("cell drinking").

Cell recognition and adhesion: The cellular junctions and the extracellular matrix

Growth and cell division: cell cycle and mitosis and meiosis .

The genetic bases for the life: The DNA structure, genes and chromosomes, genetic code. DNA replication, gene expression and translation.

Mutations and mutagens.

The genetic approach to evolution:

The evolution theories.

Mendel's principles.

Sexual reproduction, meiosis and gametogenesis.

The basics of organic chemistry.

The chemistry of carbon. Chemical classification and properties of: aliphatic and aromatic hydrocarbons, alcohols, thiols, ethers, amines, aldehydes, ketones, carboxylic acids and esters.

Optical stereoisomerism.

Biochemistry.

Chemical processes in living organisms.

Proteins: General structure and properties of amino acids, peptides. Peptide bond formation. Levels of protein structure. Folding and denaturation. Protein functions. Myoglobin and hemoglobin.

Carbohydrates: Structure and classification. Non-structural and structural carbohydrates. Isomerism.

Lipids: Structure and classification. Fatty acids, phospholipids, sphingolipids, sterols and triglycerides.

Enzymes: Classification and property. Enzyme kinetics. Inhibition. Allosteric enzymes. Coenzymes:

Introduction to metabolism: Anabolism and catabolism. Bioenergetics (Gibbs free energy, Enthalpy and Entropy).

ATP, Coenzyme A and electron carriers.

Carbohydrate metabolism: Anaerobic and aerobic glycolysis. Hexokinase and glucokinase. Gluconeogenesis.

Regulation of glucose metabolism.

Lipid metabolism: digestion and adsorption. Lipoproteins. Beta-oxidation. Ketone bodies. Fatty acid synthesis. Lipid metabolism regulation.

Protein metabolism: digestion and adsorption. Transamination and deamination. Urea cycle.

ATP synthesis: the Krebs cycle, electron transport chain and oxidative phosphorylation.

Metodi didattici

lessons

Modalità di verifica dell'apprendimento

The exam consists of a written test followed by an oral interview, during which the acquisition of the required knowledge will be assessed.

A single grade out of thirty with the possibility of honors will be assigned

Testi di riferimento

M. Stefani, N. Taddei – Chimica, Biochimica e Biologia Applicata – Zanichelli

M.V. Catani, I. Savini, P. Guerrieri, L. Avigliano – Appunti di Biochimica – Piccin

Samaja – Corso di biochimica per le lauree sanitarie – Piccin

David L. Nelson and Michael M. Cox. Introduzione alla Biochimica di Lehninger. Zanichelli.

Elementi di Biologia e Genetica. PH Raven, GB Johnson, KA Mason, JB Losos, SR Singer, II Edizione a cura di Paolo Bonaldo e Paola Braghetta. Ed PICCIN 2018.

Risultati di apprendimento specifici

Knowledge and understanding

Knowledge and understanding of the main cellular and sub-cellular structures, of the main biological and biochemical mechanisms that control the function of the cell, its growth and its differentiation.

Knowledge and understanding of the main metabolic pathways that are involved in the transformation of the molecules, of their structure and of the chemical laws that control the energy flow during the metabolic functions.

Capacity to transfer the notions acquired to the scientific and technological contexts of nursing profession.

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2026)	comune	4	BIOS-10/A, BIOS-07/A, BIOS-10/A

Stampa del 30/07/2026

Fundamental of Nursing Practice [1302105]

Offerta didattica a.a. 2026/2027

Docenti: MICHELA PIREDDA, MARIA GRAZIA DE MARINIS, ANNA DE BENEDICTIS, MARIA FRANCISCA NAVAJAS MARTINEZ

Periodo: Secondo Ciclo Semestrale

Obiettivi formativi

Educational Objectives (Knowledge and Understanding)

The course aims to provide students with knowledge and understanding of the fundamental needs of nursing care and the preventive, curative, rehabilitative, and palliative nature of nursing care. This will enable them to participate in the comprehensive and systematic assessment of patients, as well as in the planning, implementation, and evaluation of nursing care, as appropriate for the academic year. The course also aims to provide students with knowledge and understanding of the main nursing procedures and their associated risks in order to ensure safe, effective, and high-quality care.

The course also aims to develop the foundation for understanding and applying the nursing process, with particular emphasis on the planning, implementation, and evaluation phases. It also aims to foster knowledge and understanding of the main nursing models and theories, as well as professional quality standards.

Educational Objectives (Ability to Apply Knowledge and Understanding)

The course objectives are to consolidate and strengthen the skills acquired during initial placement in healthcare settings. Students will be guided to refine their ability to systematically observe patients and navigate healthcare environments with greater autonomy and awareness. Observation continues to be the key tool for more accurately identifying a person's basic needs, recognizing clinical and relational conditions, and personalizing care while respecting their autonomy and daily living activities.

Furthermore, the development of mature professional attitudes and effective interpersonal relationships, appropriate to the complexity of healthcare settings, is further encouraged.

The course also aims to enable students to confidently and confidently apply basic nursing techniques, recognize and adhere to good clinical practices, and function competently within a team, in an environment that values safety and quality of care.

Prerequisiti

To take the integrated course exam, students must have passed the Fundamentals of General Nursing exam and completed the clinical internship for the Integrated Nursing Program (ICP). The evaluation certifies achievement of the specific learning objectives, with a grade of at least 18/30.

Contenuti del corso

Fundamentals of General Nursing

Planning Phase: Types of planning (initial, ongoing, and discharge). Care priorities. Formulation of objectives/expected results. Planning of nursing interventions.

Management/Implementation: Implementation of interventions. Coordination of care. Communication and therapeutic relationship. Safety and quality in care.

Evaluation Phase: Recording and analysis of results. Comparison with established objectives. Review and updating of the care plan.

Clinical-care documentation: Principles of nursing documentation. Recording tools and methods. Continuity of care and professional responsibility.

The concepts of the Nursing metaparadigm.

D. Orem's general theory of nursing, C. Roy's adaptation model, and Peplau's interpersonal relationship.

Fundamentals of Clinical Nursing

Need to Breathe: Mechanism of pulmonary ventilation, respiratory membrane, and respiratory gas exchange.

Assessment of breathing and function. Cardiovascular.

Ineffective airway clearance, positioning of the patient with respiratory problems, chest percussion and postural drainage techniques, deep breathing and coughing exercises, oxygen therapy, and aerosol therapy.

Decreased activity tolerance, Altered peripheral tissue perfusion (venous or arterial), and characteristics of vascular ulcers.

Nutritional Needs: Importance of nutrition and its symbolic and social value. Nutrition below requirements, overweight, obesity, compromised oral mucosal integrity, deficits in self-care for nutrition, eating disorders,

dysphagia.

Bowel Needs: Constipation, Diarrhea, Impaired Fecal Continence, Impaired Self-Care for Bowel Elimination. Urinary Needs: Urinary Incontinence, Urinary Retention, Impaired Self-Care for Urinary Elimination.

Spiritual Needs: Human Suffering and the Therapeutic Relationship. Spiritual Suffering and Impaired Religiousness.

Semiotics

Approach to the clinical interview for the correct and complete collection of the patient's medical history and physiological or pathological signs regarding the various anatomical regions and systems.

General physical examination: inspection, palpation, percussion, auscultation. Signs and symptoms.

Physical examination of the head and neck. Eyes, ears, nose, and sinuses. Thyroid: Signs and symptoms. Cervical lymph nodes. Instrumental semiotics.

Cardiovascular system. Cardiac examination. Signs and symptoms: chest pain, dyspnea, orthopnea, tachycardia, bradycardia, arrhythmias, etc. Physical examination of the peripheral arterial and venous circulation. Instrumental examination.

Respiratory system. Physical examination of the chest. Signs and symptoms: chest pain, dyspnea, hemoptysis, sputum, cyanosis, etc. Instrumental examination.

Gastrointestinal system. Physical examination of the abdomen. Signs and symptoms: jaundice, abdominal pain, nausea, vomiting, dysphagia, melena, etc. Instrumental examination.

Urinary system. Main signs and symptoms: incontinence, hematuria, dysuria, nocturia, polyuria, etc. Urinalysis. Instrumental examination.

Nervous and musculoskeletal system. Physical examination. Signs and symptoms: pain, paresthesia, dysarthria, dysphagia, joint swelling, etc. Instrumental semiotics.

Laboratory

Exercises for performing the objective examination of the respiratory and cardiovascular systems, the administration of oxygen therapy with various devices, aerosol therapy, postural drainage, and respiratory gymnastics techniques.

Exercises for applying compression and therapeutic bandages and the application of elastic stockings. Practice exercises include performing gastrointestinal and urinary physical examinations, extemporaneous bladder catheterization, biological sample collection, bowel preparation and enema administration, indwelling catheter management (placement and removal), catheterized urine collection, cystoclysis, and the use of external devices. Practice exercises include supporting techniques for oral feeding in partially or totally dependent patients, nasogastric tube insertion and removal, and enteral nutrition administration via syringe or pump.

Nurse-patient communication: simulations of the nervous system physical examination and nursing data collection upon admission; integrated clinical case simulations allow for midterm assessment of acquired skills.

Clinical training

The internship activities of this course will focus on deepening systematic patient observation, with particular attention to evolving needs and the ability to adapt nursing intervention to the specific situation. The student will be involved in activities aimed at:

- recognizing changes in the patient's level of autonomy and needs;
- identifying and describing in a more structured manner the clinical and relational manifestations associated with altered needs;
- collaborating in the formulation and implementation of simple personalized care interventions;
- practicing collecting, recording, and communicating observations, including in clinical and care documentation;
- strengthening appropriate professional attitudes and interpersonal relationships, consistent with the patient's context and needs.

Metodi didattici

Lectures

Individual and group work

Gamed-based Learning

Simulation-based Learning (60 hours)

Clinical internship in the functional areas of the Polyclinic under the supervision of a clinical tutor (480 hours)

Modalità di verifica dell'apprendimento

The exam can only be taken if the student has completed the required clinical internship and has passed it with a positive evaluation (corresponding to a minimum grade of 18/30) given by the tutors based on the achievement of the expected results in terms of the ability to apply knowledge and understanding, as described in detail in the internship booklet for the student use.

The exam consists of a practical test and an oral exam.

In the practical test, assessing the ability to apply the acquired knowledge, the student will be asked to perform two of the 42 healthcare procedures included in the program on a low- or medium-fidelity simulator. Correct execution of procedures will be verified using the checklists used during the guided learning phases in a simulated environment.

In the oral exam, students will be asked questions designed to test their ability to describe and apply: the phases of the nursing process (planning, implementation, and evaluation); the main nursing models and theories; and professional quality standards; specific semiotic frameworks and main instrumental semiotic procedures to demonstrate a clear understanding of comprehensive and systematic nursing assessment; and the signs and symptoms of an actual or potential health problem, along with appropriate nursing care planning, to demonstrate a

clear understanding of the main healthcare issues.

Criteria for measuring learning and assigning the final grade:

The commission will assign a single grade out of 30, with honors being awarded if necessary. The internship evaluation contributes 40%, the practical exam 10%, and the oral exam 50%.

In the oral exam, 15 points are awarded based on clarity of presentation and command of language (30%), completeness of content (30%), and logical reasoning (40%).

In the practical exam, 3 points are awarded for correct execution of the procedures performed in the simulation classroom.

In the internship evaluation, 12 points are awarded for the assessment of the ability to apply knowledge and understanding. Each skill is assigned the following score: 1 = Absent, 2 = Low, 3 = Average/Fair, 4 = Good, 5 = Very good/Excellent. The average score is calculated. An average score lower than 1.9 will not be considered a pass; an average score of 2-2.8 will be awarded 1-2 points; an average score of 2.9-3.7 will be awarded 3-5 points. A score of 6 to 9 points will be awarded for an average of 3.8 to 4.6; a score of 10 to 12 points will be awarded for an average of 4.7 to 5.

Testi di riferimento

- Berman A, Snyder SJ, Frandsen G. Kozier and Erb's Fundamentals of Nursing: Concepts, Procedures, and Practice. Italian edition of the 11th English edition (edited by M.G. De Marinis and M. Piredda), Piccin, Padua: 2023.

- An Illustrated Methodological Guide for Health Professionals. Lippincott Williams and Wilkins. Italian edition: Casa Editrice Ambrosiana.

- Tamburino, Tarquini, The New Rasario: Semiotics and Medical Methodology, Idelson-Gnocchi, Nuti, Caniggia, Clinical Methodology, Ed. Minerva Medica.

Risultati di apprendimento specifici

Learning Outcomes

Explain the theoretical foundations of nursing and describe the influences of differences in age, gender, culture, ethnicity, as well as the beliefs and desires of those cared for, on the basic needs of the individual.

List and explain the steps and tools for a comprehensive and systematic patient assessment that takes into account physical, social, cultural, psychological, spiritual, and environmental factors.

Describe and apply the planning, implementation, and evaluation phases of the nursing process.

Recognize and explain the main nursing models and theories, understanding their application in healthcare settings. Identify professional quality standards and connect them to daily nursing practice.

Describe the physical examination of individual organs and systems to define, through clinical signs and symptoms, the patient's health and/or disease conditions.

Critically identify the main instrumental semiotic procedures useful for completing the information gleaned from the medical history and physical examination.

Define specific semiotic patterns for identifying actual and/or potential nursing problems and/or collaborative issues regarding the patient's basic needs, using the principles of diagnostic reasoning.

Ability to correctly perform the general physical examination and the individual systems.

Ability to critically evaluate the significance of symptoms and clinical signs collected.

Ability to personalize care from a physical, psychological, and spiritual perspective, allowing the patient to maintain the autonomy needed to carry out activities of daily living.

Ability to respect the patient's dignity, privacy, and confidentiality.

Ability to provide emotional support to the patient, according to the competencies assigned for the course year. Use nursing skills, activities, and interventions to provide optimal care, according to the of competence for the course year, particularly regarding oxygenation needs (respiratory and cardiovascular), nutrition, bowel and urinary elimination, and spiritual needs.

Ability to accurately report, record, document, and communicate essential data regarding the care process.

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2026)	comune	22	MEDS-05/A, MEDS-24/C, MEDS-24/C, MEDS-24/C

Stampa del 30/07/2026

Fundamental of Nursing [1302104]

Offerta didattica a.a. 2026/2027

Docenti: MARIA GRAZIA DE MARINIS, GABRIELLA FACCHINETTI, ANNA DE BENEDICTIS, MICHELA PIREDDA

Periodo: Primo Ciclo Semestrale

Obiettivi formativi

Learning Objectives (Knowledge and Understanding)

The course aims to introduce students to the foundational knowledge of Nursing in order to support the development of the skills necessary to practice the profession holistically, with sensitivity and care, ensuring respect for individuals' rights, beliefs, and preferences. In particular, the course seeks to provide the essential elements for a preliminary understanding and application of:

Concepts of health and illness that influence the development of care models;

Nursing roles, responsibilities, and functions as defined by the professional profile;

Major nursing theories and models;

Critical thinking and the nursing process for understanding the phenomena that characterize the care environment;

Professional quality standards;

Principles of Evidence-Based Nursing.

The course also aims to promote knowledge and understanding of the fundamental nursing care needs, as well as the preventive, curative, rehabilitative, and palliative nature of nursing interventions. Students will be introduced to the global and systematic assessment of the patient, and to the planning, implementation, and evaluation of nursing care. Emphasis will be placed on understanding basic nursing procedures and associated risks, with particular attention to patient mobilization and infection prevention, to ensure safe and effective care.

Additionally, the course aims to introduce students to the role of scientific research as a fundamental tool in guiding clinical decision-making and promoting the continuous improvement of care quality.

Learning Objectives (Applying Knowledge and Understanding)

The professional objectives of the course are designed to support students in their initial integration into healthcare environments and in the early acquisition of appropriate attitudes and interpersonal skills necessary to personalize care, address basic needs, and support the individual's autonomy in carrying out activities of daily living.

Laboratory activities are intended to guide students in the application of basic nursing techniques within a simulated context that emphasizes patient safety and care quality. The aim is to familiarize students with good clinical practices, the proper use of tools and protective equipment, and competent collaboration within a healthcare team. Furthermore, the course seeks to guide students in the appropriate consultation of literature sources, introduce the main methodologies of nursing research, develop skills in interpreting scientific articles, and contribute to the dissemination of evidence-based best practices.

Prerequisiti

None

Contenuti del corso

Foundations of General Nursing

This course introduces students to the core concepts of Nursing: person, body, embodiment, health, illness, environment, and nursing care. It explores the definition and structure of care needs, and the concepts of dependence and autonomy, focusing particularly on the experience of "dependency on nursing care."

Students will examine various models of health and illness, including the biomedical model, the holistic model, and the harmonic model. Key conceptual frameworks in nursing are also addressed, such as Virginia Henderson's theory of fundamental care needs, Dorothea Orem's self-care theory, Callista Roy's adaptation model, and Hildegard Peplau's interpersonal relations theory.

The course outlines the roles, responsibilities, and functions of nurses as defined by the professional profile, emphasizing nursing's contribution to addressing major public health issues, the health status of the Italian population, and the objectives of the National Health Plan. It also covers nursing interventions in care, prevention, rehabilitation, health and therapeutic education, and across diverse care settings.

Critical thinking is introduced through definitions, core attitudes, cognitive skills, and reasoning standards. The methodological approach to care planning is explored through the logic and structure of the nursing process,

including the diagnostic phases (assessment, diagnostic reasoning, use of nursing language), planning (goal-setting and intervention planning), implementation, and evaluation. The course also emphasizes the importance of clinical documentation.

Foundations of Clinical Nursing

Mobility Needs: Importance of movement and physical exercise for general health and well-being. Body mechanics, correct posture, and ambulation. Impaired mobility and complications of immobility on major body systems. Self-care deficits.

Personal Hygiene Needs: Assessment of patients with or at risk of impaired skin integrity using objective evaluation tools. Hygiene-related self-care deficits.

Safety Needs: Physical, chemical, biological, and psychosocial risks in healthcare environments. Infection risk, risk of injury, and ineffective health maintenance.

Communication Needs: Principles and models of interpersonal communication. Verbal, paraverbal, and nonverbal communication. Techniques of assertive communication, synchronization, active listening, communicative stimulation, and supportive relationships. Impaired verbal communication.

Body Temperature Regulation: Disorders of body temperature (hyperthermia, hypothermia).

Sleep and Rest Needs: Sleep disturbances.

Clinical Nursing Methodology

This course addresses the core principles of clinical methodology grounded in Evidence-Based Nursing as an integrated approach to care. It emphasizes the critical use of scientific evidence, clinical expertise, and patient values.

The course introduces students to fundamental nursing research methodologies, with an overview of quantitative and qualitative research, literature reviews, and the guided reading of scientific articles, including observational studies, randomized controlled trials, and systematic reviews.

A Journal Club is included to develop students' skills in reading, understanding, and critically appraising research articles, with practical exercises aimed at translating knowledge into care competencies.

Skills Laboratory

Practical training includes the measurement of vital signs, including pain, temperature, blood pressure, central and peripheral pulse, and oxygen saturation. Students will learn patient mobilization techniques in various scenarios: in-bed repositioning, transfer from bed to chair or stretcher, and to standing position.

Training covers postural changes for bedridden patients at risk for pressure injuries and the use of specific preventive devices; hygiene care for dependent patients, including oral, ocular, and perineal hygiene, and complete bed bathing, as well as making both unoccupied and occupied beds.

Students will also learn techniques to ensure patient safety, including proper use of brakes, movement aids, call systems, and safety alarms. A role-playing session focuses on assertive communication and active listening skills.

Clinical Placement

During the professional internship, students are introduced to healthcare environments to develop appropriate attitudes and interpersonal relationships necessary to personalize care. This includes meeting basic care needs and supporting the patient's autonomy in performing activities of daily living.

The primary objective of nursing practice during this placement is to enhance students' observational skills to assess the patient's level of autonomy, support and education needs, altered health conditions and their key manifestations, as well as the personal and social resources that may impact health maintenance.

Metodi didattici

Lectures

Seminars

Individual and group work

Game-based learning

Journal Club laboratory

Simulation-based learning (30 hours)

Clinical placement (120 hours)

Modalità di verifica dell'apprendimento

The exam consists of a practical test and an oral test.

The practical test is conducted individually and requires the student to perform a nursing procedure on a low- or medium-fidelity simulator at the Advanced Simulation Center. The simulated environment replicates a clinical scenario, and the student is expected to interact with the simulator as if it were a real patient, maintaining a professional and realistic attitude throughout the procedure. Evaluation will be based on structured checklists previously used during laboratory training.

The test is considered passed if the student demonstrates a sufficient overall mastery of the expected competencies, coherently integrating technical and relational skills in accordance with the standards of realism and professionalism required by clinical nursing practice.

During the oral exam, students will be asked three questions covering the following areas:

Basic nursing knowledge, to assess their understanding of the skills needed to practice the profession holistically, with sensitivity and care, ensuring respect for each individual's rights, beliefs, and preferences;

Assessment and recognition of fundamental care needs, including the initial planning of appropriate nursing interventions for the main basic care problems;

Principles of clinical nursing methodology, including discussion of a peer-reviewed scientific article selected from a list made available in advance on the e-learning platform.

The clinical placement associated with this course is designed as an introductory and orientation experience. It does not contribute numerically to the final grade but is assessed qualitatively.

Assessment Criteria and Final Grade Allocation

The final grade is expressed in thirtieths, with honors where applicable. The oral exam contributes 70% to the final grade, and the practical test contributes 30%.

For the oral exam, up to 21 points are awarded, based on the following criteria:

Clarity of exposition and appropriate use of language (30%),

Completeness of content (30%),

Logical reasoning (40%).

For the practical test, up to 9 points are assigned based on the correct performance of the procedure in the simulation lab.

Testi di riferimento

Required Textbooks

- Berman A, Snyder SJ, Frandsen G. Fondamenti del Nursing secondo Kozier ed Erb. Concetti, procedure e pratica. Edizione italiana sulla XI di lingua inglese (a cura di M.G. De Marinis e M. Piredda) Piccin, Padova: 2023.
- Henderson V., I bisogni fondamentali dell'Assistenza Infermieristica, a cura della CNAIOSS.
- Motta P., Introduzione alle Scienze Infermieristiche, Ed. Carocci.

Recommended Readings

Colliere M.F., Aiutare a vivere: dal sapere delle donne all'assistenza infermieristica, Ed. Sorbona, Milano.

E. Peplau, Rapporti interpersonali nell'Assistenza Infermieristica, Ed. SUMMA, Padova.

D. Orem, Nursing: concetti di pratica professionale, Ed. SUMMA, Padova. Roy C., Il modello Roy di Adattamento, Ed. SUMMA, Padova.

Nightingale, F. (1992). Notes on nursing: What it is, and what it is not. Lippincott Williams & Wilkins.

Narrative Literature

Lewis C.S., Diario di un dolore. Ed. Adelphi, Milano 1994. Tolstoy L., La morte di Ivan. Ed. Garzanti, 1975.

Lerner G, Ho vissuto la tua morte. Ed. Giunti, 1997.

Risultati di apprendimento specifici

Ability to describe the concepts of health and illness that influence the development of care models.

Ability to understand and discuss the unity and uniqueness of fundamental nursing care needs.

Ability to explain the meaning of embodiment as a central element of nursing care.

Ability to analyze the concept of dependency on nursing care.

Ability to describe the main conceptual models of nursing care.

Ability to understand and analyze the roles, responsibilities, and functions of nurses as defined by the professional profile.

Ability to analyze the meaning of critical and creative thinking and recognize its relevance for clinical practice.

Ability to describe and understand the phases of the nursing process, defining each in terms of purpose, characteristics, and structure.

Ability to define protective practices against physical, chemical, and biological risks in the workplace.

Ability to explain precautions for load handling, patient mobilization techniques, and infection control measures.

Ability to recognize and interpret signs of normality and changes in a person's health status.

Ability to communicate appropriately with patients, adapting to various care settings (e.g., outpatient, inpatient) and patient characteristics to facilitate effective history-taking and physical examination.

Ability to provide emotional support to patients, in line with the scope of practice for the year of study.

Ability to correctly perform general and system-specific physical examinations.

Ability to critically evaluate the meaning of observed clinical signs and symptoms.

Ability to personalize nursing care from physical, psychological, and spiritual perspectives, enabling individuals to maintain autonomy in activities of daily living.

Ability to respect patient dignity, privacy, and confidentiality.

Ability to use nursing skills and perform interventions to provide optimal care, in accordance with the scope of practice for the year of study.

Ability to accurately record, document, and report essential data related to the care process.

Introductory ability to consult scientific literature sources.

Competence in selecting appropriate nursing research methodologies.

Introductory ability to interpret scientific articles.

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Università CAMPUS BIO-MEDICO di Roma - Via Alvaro del Portillo, 21 - 00128 ROMA

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2026)	comune	11	MEDS-24/C, MEDS-24/C, MEDS-24/C, MEDS-24/C, MEDS-24/C

Stampa del 30/07/2026

Disability Nursing [1302301]

Offerta didattica a.a. 2026/2027

Docenti: MARIA MATARESE, UMILE GIUSEPPE LONGO, GIOVANNI ASSENZA, SIMONE SCARLATA, LUCA NAVARINI, GIORGIA PETRUCCI

Periodo: Primo Ciclo Semestrale

Obiettivi formativi

Learning Objectives (Knowledge and Understanding)

The course aims to provide students with knowledge regarding prevention, treatment, and rehabilitation interventions for the most common neurological, rheumatological, orthopedic, and geriatric conditions that can lead to disability. Furthermore, it intends to promote an understanding of how these conditions and their treatments influence the care needs of individuals across different care settings — including community, hospital, and residential services — and throughout all phases of the care pathway.

Learning Objectives (Ability to Apply Knowledge and Understanding)

Through the professional internship, the course aims to enable students to apply the knowledge acquired in the care of patients within the clinical areas of geriatrics, neurology, orthopedics, and rheumatology. In particular, it seeks to foster the development of skills in identifying care problems, planning, implementing, and evaluating the effectiveness of interventions, in collaboration with patients, their families, and other healthcare and social care professionals.

Prerequisiti

Knowledge of Nursing in General Medicine and Specialized Nursing, and of Nursing in General and Specialized Surgery; knowledge of Pharmacology.

Contenuti del corso

Geriatric Nursing

Purpose of geriatric nursing. Nursing assessment and functional, cognitive, psychological and social assessment. Nursing management of the most common health problems: risk of falls and prevention of restraint, pharmacotherapy, swallowing difficulties, cognitive disorders, dehydration and malnutrition in institutions. Prevention and control of infections in healthcare settings.

Orthopedic Nursing

Assessment of the musculoskeletal system, care planning and therapeutic education of patients with orthopedic diseases. Nursing diagnosis in patient with cast and traction (pain, self-care deficit). Nursing diagnosis in patients with arthrosis and osteoporosis (pain, intolerance of activity, self-care deficit, alteration of self-image, risk of injury). Nursing diagnosis and collaborative problems related to disc herniation, hip, knee and shoulder prosthetic treatment, reduction and fixation of post traumatic injuries, other major and minor interventions) (impaired motility and walking, risk of neurovascular dysfunction, intolerance to activity, pain, risk of injury). Mobilization and positioning techniques for people with musculoskeletal problems.

Geriatrics

Aging: demographic aspects and geriatric functional assessment scales. Geriatric syndromes: Urinary incontinence; Acute confusional state; nutritional problems; Hyperthermia and hypothermia; sleep disorders; phlebological pathology. Occupational therapy, neuromotor, cardiological and respiratory rehabilitation of the elderly: general principles.

Diseases of the locomotor system

Objective and instrumental examination of the locomotor system. Traumatology: fractures, dislocations, sprains, epiphyseal detachments. Arthrosis: general information, main localizations and conservative and surgical treatment. Congenital deformities: hip dysplasia, congenital clubfoot, spinal deformity. Wrist and hand disorders: fractures, carpal tunnel syndrome and compression of the ulnar to Guyon's canal; stenosing tenosynovitis of the flexor tendons and De Quervain's disease; Dupuytren's disease; rhizarthrosis. Vertebral pathologies: herniated disc, degenerative, inflammatory, traumatic and tumor diseases of the spine. Scoliosis. Spondylolisthesis. Ankle and foot disorders: fractures. Injury of the Achilles tendon. Hallux valgus, hallux rigidus and deformity of the toes. Knee disorders: knee fractures, sprains and dislocations; injury of the cruciate ligaments, meniscal injuries; patellofemoral chondropathy. Shoulder disorders: fractures and dislocations; impingement syndrome and rotator cuff injury; glenohumeral arthrosis. Primary benign and malignant bone tumors and metastatic tumors.

Neurology

Anatomy and physiology of the neurological system. Main manifestations of neurological diseases: cognitive, behavioral and speech disorders, movement disorders, pain and other sensitivity disorders. Neurological diseases: cerebrovascular diseases, multiple sclerosis, epilepsy and alterations of consciousness, Parkinson's disease, meningitis and encephalitis, diseases of the muscle and neuromuscular junction. Specialist examinations. Electrophysiology. Neuroradiology. Ultrasound study of the cerebral vessels. CSF examination.

Rheumatology

Approach to a patient with inflammatory arthritis, with dry syndrome and Sjogren's disease, with Raynaud's phenomenon and systemic sclerosis, with systemic lupus erythematosus, with purpura in the lower limbs and vasculitis. Approach to patient with Generalized Musculoskeletal Pain

Clinical internship

Care management of adult patients with neurological, rheumatological, and orthopedic problems, and of geriatric patients admitted to acute hospitals.

Metodi didattici

Geriatric Nursing

Lectures (10 hours). Interactive lessons with discussion of cases and group work (14 hours).

Orthopedic Nursing

Lectures with discussion of clinical cases (12 hours). Clinical skill laboratory on the positioning and mobilization of the patient undergoing orthopedic surgery (12 hours).

Geriatrics

Lectures with discussion of clinical cases (12 hours).

Neurology

Lectures with discussion of clinical cases (12 hours).

Diseases of the musculoskeletal system

Lectures with discussion of clinical cases (12 hours).

Rheumatology

Lectures with discussion of clinical cases (12 hours).

Clinical internship

The professional internship involves attendance at clinical settings that provide care for patients with neurological, rheumatological, orthopedic, and geriatric conditions, where students have the opportunity to apply the knowledge acquired in theoretical courses under the supervision of dedicated tutors.

Modalità di verifica dell'apprendimento

The examination consists of a practical test, a written test, and the evaluation of the professional internship. The professional internship is assessed using a specific evaluation form listing the learning objectives to be achieved in the areas of disability care. Completion of all required internship hours and a positive evaluation of the internship are mandatory conditions to access the practical test.

The practical test consists of demonstrating two patient positioning/mobilization procedures for patients who have undergone orthopedic surgery on the spine or on joints (hip and knee). The procedures are assessed using dedicated checklists and require a scientific explanation of the interventions. A positive evaluation in the practical test is required to access the written test.

The written test consists of six clinical cases related to orthopedic, neurological, geriatric, and rheumatological conditions, as well as orthopedic and geriatric care problems. Each case includes 5–6 short-answer questions, for a total of 32 questions, to be completed within 90 minutes. Students must demonstrate the ability to identify the health problem described in each case, indicate the appropriate diagnostic and treatment approaches, and define the required nursing care.

Criteria for assessing learning outcomes and assigning the final grade:

The final grade is expressed in thirtieths (with possible honors) and is calculated based on the following weightings:

Internship evaluation (20%)

Practical test evaluation (10%)

Written test evaluation (70%)

The internship evaluation, expressed in thirtieths with possible honors, is assigned by the clinical tutors at the end of the internship period based on the student's demonstrated abilities, in reference to the professional learning objectives detailed in the internship evaluation form. The form includes 28 skills, each rated on the following scale: 1 = absent, 2 = low, 3 = fair, 4 = good, 5 = excellent. The average score across the 28 skills is calculated. An average below 1.9 is considered a fail; an average of 2.0–2.8 corresponds to a score of 18–21; 2.9–3.7 corresponds to 22–25; 3.8–4.6 corresponds to 26–28; and 4.7–5 corresponds to 29–31.

The practical test evaluation is expressed in thirtieths. A score of 18–23 is awarded for correctly performing at least 60% of the procedural actions and demonstrating sufficient understanding of their rationale; a score of 24–27 for at least 80% of actions and good understanding; and a score of 28–31 for 100% of actions and comprehensive understanding of their rationale.

The written test evaluation is expressed in thirtieths, with possible honors. One point is awarded for each complete and correct answer provided to the 32 questions that make up the written test.

Testi di riferimento

Matarese M. Fondamenti di assistenza infermieristica geriatrica. Manuale per i corsi laurea in Infermieristica. KDP publishing; 2025

Denaro V, Pietrogrande L, Sponton A, Barnaba SA, Infermieristica clinica in ortopedia, Milano: Hoepli editore; 2006
Antonelli Incalzi R (curatore). Medicina Interna per Scienze Infermieristiche. Padova: Piccin, 2022 (II ed).

Risultati di apprendimento specifici

Knowledge and understanding of the most common care problems (nursing diagnoses and potential complications) in older adults, in patients undergoing orthopedic surgical procedures, and in patients with dementia. Knowledge and understanding of the main tools for comprehensive geriatric assessment.

Knowledge and understanding of the aging process and its physical, psychological, and social implications.

Knowledge and understanding of the most important geriatric syndromes.

Knowledge and understanding of the main diseases of the musculoskeletal system and their treatments. Knowledge and understanding of the signs and symptoms of the most common orthopedic conditions.

Knowledge and understanding of the main rheumatic diseases and the fundamentals of their treatment. Knowledge and understanding of the signs and symptoms of the most common rheumatic conditions.

Knowledge and understanding of the main neurological syndromes and the primary neurological examinations.

Knowledge and understanding of the signs and symptoms of the most common neurological disorders.

Ability to apply knowledge and understanding in the planning of nursing care for older adults and in the evaluation of health outcomes, involving the cooperation and collaboration of patients with neurological, orthopedic, and geriatric problems, their families, and the interprofessional team.

Ability to apply knowledge and understanding in providing nursing care for the most common conditions affecting older adults hospitalized in healthcare facilities.

Ability to apply knowledge and understanding in performing comprehensive geriatric assessments. Ability to apply knowledge and understanding in assessing mobility needs through observation, interviews, physical examination, and review of clinical documentation.

Ability to apply knowledge and understanding to nursing care problems by developing care plans for the most common orthopedic conditions.

Ability to apply knowledge and understanding to patient mobilization and positioning interventions for those undergoing orthopedic surgical procedures.

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2019)	comune	12	MED/33, MED/26, MED/16, MED/45, MED/45, MED/09, MED/45

Stampa del 30/07/2026

Intensive Care Nursing [1302302]

Offerta didattica a.a. 2026/2027

Docenti: RITA CATALDO, TIZIANA MARANO, MARIA MATARESE

Periodo: Primo Ciclo Semestrale

Obiettivi formativi

The course aims to:

understand the influences of physical and psychological conditions, treatments and the outcomes of various pathologies on the nursing care needs of people assisted in a critical area, at all stages of the care pathway; define and explain the treatments for promotion, prevention, care, rehabilitation and palliation on the basis of the outcomes of the people assisted in the critical area, and of the standards of care in all phases of the care path in the critical area;

define signs or parameters that identify life-threatening situations of the assisted persons and know and understand the principles and methods of treatments in critically ill patients in urgent and emergency situations; recognize and interpret the needs of nursing care, in relation to the institutionalization of people assisted in critical area.

first aid BLSD and ACLS principles Educational Objectives (Ability to Apply Knowledge and Understanding)

Through the clinical internships, the course aims to enable students to perform a comprehensive and systematic assessment of the critically ill patient—taking into account physical, social, cultural, psychological, spiritual, and environmental factors—to identify care needs, to plan and implement appropriate interventions, and to evaluate their effectiveness in collaboration with other healthcare professionals in critical care settings. Furthermore, it seeks to equip students with the skills to carry out first-aid measures and emergency procedures, while anticipating and preventing associated risks.

Prerequisiti

Pathophysiology and general pathology.

Internal medicine and cardiology, general surgery, basic nursing, Pharmacology

Contenuti del corso

Anesthesiology

BLSD- Adult child and infant CPR, use of defibrillator, adult and infant choking, ACLS, ATLS basic: ABCDE, Drowning and electrocution. Anaphylaxis: principles, Anesthesia: from preoperative evaluation to Post operative care unit. anaphylaxis

Critical area nursing

Critical Area: evolution and complexity of care; The Triage; Non-invasive ventilation; Respiratory Emergencies; Invasive Ventilation; Cardiovascular Emergencies: Dissecting aneurysm of the thoracic aorta; Acute Pulmonary Edema; Neurogenic Pulmonary Edema; Neurological Emergencies: Cerebral Hemorrhage, Cerebral Stroke; Emergencies related to Metabolic Alterations: Acute Renal Failure, IRA and Dialysis; Hemorrhagic Shock, Burns and Electric Shock Emergencies, Traumatic Emergencies, Trauma, Thoracic Trauma, The path of the traumatized patient from the out-of-hospital phase to the emergency room; Pediatric Emergencies: Fever, Gastroenteritis and dehydration, Respiratory asthma, Neonatal emergencies.

Clinical Internship

Clinical experience in intensive care (ICU), semi-intensive care, coronary care unit (CCU), anesthesia, or emergency departments of acute-care hospitals, where students support nurse tutors in the care management of critically ill patients

Metodi didattici

Anesthesiology

Frontal and "hands-on" lessons: 15 hours; Interactive lessons and practical exercises on simulators. (9 hours, plus any additions if required), Audiovisual demonstrations.

Guided exercises in the simulation classroom, "Problem solving" type seminars at the request of the students: in the seminars the students can present a clinical case illustrated or actually encountered in clinical practice, which illustrates certain signs and symptoms of impairment of vital functions.

Critical area nursing

Lectures 20 hours, small group work (4 hours) and any additional in-depth seminars at the request of the students.

Internship

Clinical internship under the supervision of a clinical tutor (210 hours).

Modalità di verifica dell'apprendimento

The exam consists of an oral exam, a practical exam and evaluation of the clinical internship.

The internship is evaluated by the clinical tutors on the basis of an internship evaluation form which lists the learning objectives to be achieved in the clinical placements. Completion of the 7 credits of the internship and its positive evaluation is a necessary condition to access the practical and oral exam. The practical exam of clinical skills, which precedes the oral exam, consists in the demonstration of the acquisition of ACLS techniques. The examination board members will organize students teams and each student will have a different role chosen by the board. Only students who pass the practical test can access the oral exam. The oral exam consists of an interview with the teachers who will evaluate the knowledge possessed by the student, his / her ability to interpret, analyze and integrate knowledge relating to health care problems that may arise in emergency and urgent situations.

Criteria for measuring learning and awarding the final grade.

The evaluation provides for the attribution of a final grade expressed out of thirty which includes:

1. The grade of the internship
2. the mark of the practical exam
3. the grade of the oral exam

The evaluation of clinical skills is expressed out of thirty on the basis of the simulation of the ACLS maneuvers.

The internship evaluation, expressed out of thirty, is formulated by the clinical tutors at the end of the internship period on the basis of the skills demonstrated on the vocational training objectives described in detail in the internship evaluation form. This sheet lists 28 capacities and each capacity is assigned the following score: 1 = absent, 2 = low, 3 = fair, 4 = good, 5 = excellent. The average score of the listed skills is calculated. In the case of an average of less than 1.9 the internship is not considered passed, in the case of an average of 2-2.8 the score of 18-21 / 30 will be assigned, 2.9-3.7 the score of 22-25 / 30, 3.8-4.6 = 26-28 / 30, 4.7-5 = 29-31 / 30.

In the oral exam a score of 18-23 / 30 is assigned when the student demonstrates that he has memorized the basic knowledge, a score of 24-27 / 30 when he demonstrates an ability to interpret the knowledge learned, and of 28-31 / 30 when demonstrating an ability to analyze and integrate clinical situations, applying the knowledge learned.

Testi di riferimento

Badon p., Giusti GD. - Assistenza Infermieristica in Area Critica e in Emergenza- Casa Editrice Ambrosiana - Zanichelli

<https://www.sofrapa-store.it/it/blog/2020-10-27/Sintesi-sulle-Linee-Guida-RCP-e-ECC-2020-2025-di-AHA>
class materials

Additional references and deepening

Chiaranda M. Urgenze ed Emergenze. Piccin

Agro F. Emergencies and medical surgical emergencies, Minerva Medica Edition.

Risultati di apprendimento specifici

Knowledge and understanding of the basics of qualitative and quantitative methods and of the principles of therapy in the specific pathologies of critically ill patients in emergency medicine.

Knowledge and understanding of the causes of alteration of the vital parameters of the most important organs and systems, making the correlation between physiology (natural need), pathology (altered need) and emergency assistance.

Knowledge and understanding of nursing care needs, in relation to institutionalization in the critical area

Knowledge and understanding of strategies to promote and protect the rights of people assisted in the critical area.

Knowledge and understanding of the educational needs of the person and his family aimed at self-management of the disease, treatment and rehabilitation.

Ability to apply knowledge and understanding in care planning to people during the professionalizing internship in the intensive care areas of health facilities

Ability to apply knowledge and understanding to implement a global and systematic assessment of the critically ill patient, using theories and conceptual models of reference, suitable tools and systems, taking into account physical, social, cultural, psychological, spiritual and environmental factors at all stages of the path of care.

Ability to apply knowledge and understanding to diagnose problems of nursing competence in a critical area, in their complexity and evolution in all phases of the care path;

Ability to apply knowledge and understanding in responding to the needs of the critically ill patient through the planning, implementation and evaluation of appropriate and personalized care plans in collaboration with the patient, families, significant persons and other health care professionals in the critical area, in all phases of the treatment process;

Ability to apply knowledge and understanding in the protection and prevention of risk related to first aid and emergency procedures

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2019)	comune	11	MED/41, MED/45, MED/45

Stampa del 30/07/2026

SURGICAL NURSING [1302204]

Offerta didattica a.a. 2026/2027

Docenti: ROSSANA ALLONI, MICHELA PIREDDA, EMANUELA SALVATORELLI

Periodo: Primo Ciclo Semestrale

Obiettivi formativi

The course aims to provide the student with basic notions of general surgery and surgical subspecialties and surgical nursing for an appropriate management of the care problems of the surgical patient

Prerequisiti

There is no prerequisite. It is necessary to have acquired and assimilated the knowledge of Biochemistry and Applied Biology, Human Anatomy and Physiology, Microbiology and General Pathology

Contenuti del corso

General Surgery and Clinical Nursing in Surgery

General information on surgery: Principles of surgery and characteristics of the pathologies of surgical interest; surgical settings; complications; oncological surgery; minimally invasive surgery; emergency surgery. Operating room and surgical clinics; sterilization (outline). Information and training of the patient and caregiver in surgery. Specific health education.

Assistance to the patient with pathology:

- of the upper digestive system (esophagus-stomach-duodenum: gastroesophageal reflux disease and hiatal hernia, esophageal tumors, esophageal dyskinesias and achalasia, stomach tumors, peptic ulcer, major surgery on the esophagus and stomach); Main surgical interventions and related complications.
- of the lower digestive system (colorectal): colic diverticulosis, colonic tumors (polyps, ac), anorectal pathology, RCU and Crohn, Proctorrhagia; Main surgical interventions and related complications.
- hepatobiliary: hepatic masses, cholelithiasis and complications, jaundice, cholangitis; Main surgical interventions and related complications.
- of the spleen and pancreas: splenomegaly, indications for splenectomy, acute and chronic pancreatitis, pancreatic neoplasms; Main surgical interventions and related complications.
- of the respiratory system: pulmonary ca, pneumothorax, pleural effusions; Main surgical interventions and related complications.
- of the urinary system: renal and prostatic heart disease, urinary lithiasis, renal colic, hydronephrosis; Main surgical interventions and related complications.
- of the endocrine system (thyroid-adrenal): goiter; thyroid tumors; Main surgical interventions and related complications.
- breast neoplasms, aesthetic and reconstructive surgery; Main surgical interventions and related complications.
- hernia: inguinal hernia; umbilical hernia; laparoceli; swellings; Main surgical interventions and related complications.

Assistance to the patient undergoing:

- vascular surgery: vascular pathology, aortic aneurysms, venous pathology; Main surgical interventions and related complications.
- bariatric surgery: main surgical interventions and related complications;
- ophthalmic surgery: main surgical interventions and related complications;
- ENT surgery: main surgical interventions and related complications.

Recent advances in Interventional radiology and surgical endoscopy: specific nursing protocols

Standard nursing care plans for minor, medium, or major surgery. Surgical risk prevention and therapeutic education. ERAS protocol, SLOW MEDICINE recommendations. Main diagnostic and therapeutic radiological, endoscopic and surgical procedures. Techniques and materials of the main nursing procedures in surgery: management of venous access and infusion lines; wounds, drains, and surgical sutures; wound care and ostomy; enteral and parenteral nutrition; detection of the hydroelectrolytic balance and central venous pressure.

Pharmacology applied to Surgery

Drug therapy of inflammation (NSAIDs and glucocorticoids)

Opioid pharmacology and pain therapy

Main drugs for gastric acidity (antacids, inhibitors of gastric secretion and protective of the gastrointestinal mucosa)

Principles of antibiotic pharmacotherapy

Local and general anesthetic drugs.

Anticoagulant and antiplatelet drugs

Metodi didattici

Interactive lectures, with short practical demonstrations and problem solving in the classroom (this interactive methodology will be the same all over the course, 4 hours in 9 weeks); laboratory training in a simulation environment (twice in a week for 9 weeks) and clinical training in surgical units (120 hours).

Modalità di verifica dell'apprendimento

The exam can only be taken if the student has successfully passed (>18/30) the clinical training (120 hours) related to the integrated course. This evaluation is expressed out of thirty by the clinical tutors at the end of the foreseen period, on the basis of the achievement of the professionalizing training objectives described in detail in the internship form for use by the student.

The exam consists of three tests:

- 1) a written Pharmacology test consisting of a multiple choice quiz (15 questions), to verify knowledge and understanding related to the expected learning objectives students; test evaluation: no answer or wrong answer: 0; 8/15 correct answers: 18/30; 15/15 correct answers: 30/30 cum laude.
- 2) practical evaluation of clinical skills in a simulated environment to verify the ability to apply the acquired knowledge (OSCE examination); students will perform two clinical procedures explaining their scientific background. A tutor will examine student's performance by means of check lists
- 3) an oral interview which consists of the analysis of a short clinical case from which we will start to discuss nursing care in the most common pathological situations in surgery. The cases may concern all the topics of the program, even if not dealt with in class (but present in the reference texts) and also topics of Pharmacology.

Criteria for measuring learning and awarding the final grade:

The assessment of learning provides for the attribution of a final grade expressed out of thirty.

Criteria for measuring learning and awarding the final grade:

The assessment of learning provides for the attribution of a final grade expressed out of thirty.

A positive evaluation of the Pharmacology test (equal, at least, to 18/30) is a necessary condition for access to the OSCE exam. A positive evaluation of the OSCE test (equal, at least, to 24/30) is a necessary condition for access to oral interview.

Pharmacology test and OSCE that has been passed in the event of a failed overall exam must be repeated in subsequent appeals but not within the same examination call.

The final grade will take into account the evaluation of the three tests (written exam in Pharmacology, practical exam, and oral exam) and the internship grade.

The evaluation involves assigning a final grade out of 30, with possible honors, which includes:

- the professional internship grade (with a weight of 40% of the final grade)
- the practical exam grade (with a weight of 10% of the final grade)
- the oral exam grade and the written exam in Pharmacology (with a weight of 50% of the final grade).

Testi di riferimento

Surgery and Nursing in Surgery:

- 'Manuale per l'assistenza infermieristica in chirurgia generale e specialistica' by R. Alloni 2020, Ed. Aracne (2 volumes)
- Documents, slides and videos published on the e-learning platform of the CBM University
- Educational resources (texts and videos) selected from the Ebsco Nursing Reference Center platform

Pharmacology:

- Slides used in class and published on the e-learning platform of the CBM University
- B.D. Clayton, Y.N. Stock, Fondamenti di Farmacologia per Infermieri, EDISES, 2007 (Italian edition by Prof. Paolo Preziosi)
- F. Rossi, V. Cuomo, C. Riccardi, Farmacologia-Principi di base e applicazioni terapeutiche, EDIZIONI MINERVA MEDICA (IV edition, 2020)

Risultati di apprendimento specifici

To know the main pathological pictures and the main syndromes of surgical interest and be able to recognize them in the patient

To know the pathophysiology of the main diseases of surgical interest and use it for assistance

To know the specific characteristics of nursing care for the surgical patient and put them into practice in the care plan

To know the standard plans according to the reference model, based on updated scientific evidence, of pre, intra and post-operative nursing assistance to the person suffering from a pathology that requires minor, medium or major, general or specialist surgery for the foreseen pathologies from the curriculum and who knows how to put them into practice

To know the surgical risk prevention interventions (in particular preoperative preparation and patient education, preparation and maintenance of the sterile field, procedures with aseptic techniques, etc.) and their rationale and to know how to carry them out

To identify the contents and methods for the specific therapeutic education of the patient undergoing general and

specialist surgery; in particular with regard to lifestyles (diet, exercise, use of tobacco and alcohol, etc.)
 pre-operative and post-operative in view of the patient's discharge
 To know the basic principles for the execution of the preoperative design for the packaging of an ostomy and to know and to know how to implement the principles of assistance to the patient who will be subjected to packaging of an ostomy and in particular of therapeutic education and support coping and its management;
 To know the ERAS protocol and the recommendations of SLOW MEDICINE, with their rationale;
 To know the main drainages, catheters and probes used in surgical therapy and to know how to carry out a correct clinical management

Know the basic elements with respect to the main classes of drugs, their therapeutic uses, response variability, side effects and toxicity of drugs

Apply the acquired knowledge in all stages of the care process in the prevention, treatment and rehabilitation of people with general and specialized surgical problems. Implement them as part of the care plan and know how to carry out individual techniques with due perfection. Know how to safely manage medications and other therapies and monitor their effectiveness.

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2019)	comune	9	BIO/14, MED/18, MED/45, MED/45, MED/45

Stampa del 30/07/2026

INTEGRATED COURSE OF CLINICAL NURSING IN GENERAL MEDICINE [1302201]

Offerta didattica a.a. 2026/2027

Docenti: ANNA DE BENEDICTIS, DHURATA IVZIKU, MICHELA PIREDDA, MARIA FRANCISCA NAVAJAS MARTINEZ, EMANUELA SALVATORELLI, SILVIA ANGELETTI

Periodo: Primo Ciclo Semestrale

Obiettivi formativi

Teaching Objectives

The course aims to provide students with the basic skills needed to manage the clinical and care issues of patients with complex conditions in general practice. It also aims to equip students with the ability to define and recognize the organizational elements that define nursing care services for patients with internal medicine conditions; to admit and plan care for patients with internal medicine conditions; and to establish continuity of care through protected discharge programs.

Learning Outcomes

The course aims to equip students to care for patients in the phases before and after diagnostic and therapeutic treatments; monitor the effects of pharmacological and non-pharmacological treatments according to the protocols of the unit; identify, according to intervention priorities, nursing diagnoses and collaborative problems based on collected data and the specific characteristics and conditions of the individual and their family; collaborate or individually implement, within the context of the situation and level of expertise achieved, the care interventions necessary to treat identified problems; and evaluate the activities performed based on the established objectives.

Prerequisiti

Prerequisites include acquired and assimilated knowledge of Clinical Microbiology, General and Systematic Pathology, and Fundamentals of Clinical Nursing.

Contenuti del corso

Clinical Nursing in General Medicine and Internal Medicine

Hospital Organization: Context. The Organizational Environment, Legislation, and Organizational Models.

Organization and Person: The Contribution of Nursing Skills. The Care Process for Patients with Acute Medical/Surgical Conditions. Quality and Safety of Care: Quality Management and Clinical Risk Management. The Nursing Care Process: (Reviews) Henderson's Conceptual Model. The Phases of the Nursing Care Process. Nursing Care Planning: Planning, Standardization Tools, Documentation, and Evaluation of Nursing Care Quality.

Clinical, Diagnostic, Therapeutic, and Nursing Approach to Patients with the Following Conditions: Respiratory System Conditions: Chronic Obstructive Pulmonary Disease; Bronchial Asthma; Airway Infections; Pulmonary Embolism. Gastrointestinal disorders: abdominal pain, nausea and vomiting, diarrhea and constipation, gastroenteritis/enterocolitis, chronic inflammatory bowel disease (ulcerative colitis, Crohn's disease). Renal and urinary tract disorders: acute renal failure, chronic renal failure, urolithiasis, urinary tract infections, replacement therapy (hemodialysis, peritoneal dialysis, and renal transplantation). Metabolic and endocrine disorders: acute and chronic pancreatitis, hepatitis, chronic liver disease, liver cirrhosis, basic knowledge of diabetes mellitus.

Cardiovascular diseases: basic knowledge of arterial hypertension, acute coronary artery disease, heart failure.

Miscellaneous: Blood gas analysis. Obliterative arterial disease.

Clinical case discussion.

Contents: Definition of clinical reasoning, critical thinking, nursing diagnosis, and collaborative problem. Main nursing diagnoses covered: Ineffective management of therapeutic regimen; Activity intolerance; Fluid volume excess/deficit; Anxiety; Fear; Altered comfort; Risk or impaired health maintenance. Main collaborative problems covered: Reduced cardiac output; altered tissue perfusion; pain. Clinical cases: Patient with exacerbation of COPD, asthma, and pneumonia; Patient with ulcerative colitis and Crohn's disease; Patient with hypertension, angina pectoris, heart failure, and diabetes; Patient with kidney disease (acute and chronic); Patient with hypothyroidism and hyperthyroidism; Patient with liver cirrhosis, hepatitis, and acute pancreatitis.

Pharmacology

Principles of Pharmacokinetics: routes of administration, distribution, metabolism, elimination, and drug interactions.

Pharmacological treatment of asthma. Pharmacological treatment of hypertension and hypertensive emergencies.

Pharmacological treatment of dyslipidemia.

Clinical Pathology

Clinical pathology: general principles. Evaluation and clinical interpretation of laboratory data. Collection of biological

materials. Processing and preservation of biological materials. Complete blood count. Blood coagulation. Diagnosis of diabetes. Lipid metabolism and cardiovascular risk. Diagnosis of hepatitis and myocardial infarction. Diagnosis of chronic inflammatory bowel disease and laboratory approach to patients with diarrhea. Chemical and physical examination of urinary sediment and diagnosis of acute and chronic renal failure: laboratory approach. Pneumonia. Laboratory diagnosis. Hypothyroidism and hyperthyroidism. Laboratory diagnosis in patients with acute and chronic pancreatitis.

Laboratory

Simulation classroom exercises on: admission of a patient in an ordinary and emergency hospital setting; venous, arterial, and capillary blood sampling; exploratory punctures; biopsies; management of central venous catheters and peripheral venous access; blood culture collection; basic pharmacology: dilutions and dosages; therapy administration.

Professional Internship

Development of the ability to practice the care process and professional techniques related to the care of patients with internal medicine diseases in a professional setting; development of the ability to perform comprehensive patient assessments, identify normal and pathological signs and symptoms, and define and plan care in response to altered needs; ability to safely manage medications and their administration; ability to correctly plan and document the nursing care plan; ability to prevent risks related to healthcare interventions; ability to safely perform nursing care techniques such as blood sampling, management of venous and peripheral access, assistance during invasive procedures, etc.

Metodi didattici

Clinical Nursing in General Medicine and Internal Medicine

Lectures (50 hours)

Clinical case discussions (12 hours)

Simulated classroom exercises (30 hours)

Tutoring sessions with instructors are available upon student request.

The following innovative teaching methodologies are used in the course: learning by doing, project-based teaching, laboratory teaching, and use of the Wooclap platform.

Pharmacology

Lectures (12 hours)

Clinical Pathology

Lectures (12 hours)

Professional internship supervised by a clinical tutor (120 hours)

Modalità di verifica dell'apprendimento

The exam can only be taken upon completion of the required internship hours and successful completion of the clinical internship with a positive assessment from the tutors based on the achievement of the expected results in terms of the ability to apply knowledge and understanding, as described in detail in the internship booklet for the student.

The final assessment of the integrated course consists of:

- an assessment of clinical skills in a simulated environment to verify the ability to apply the acquired knowledge;
- a written exam in Pharmacology, preparatory to the oral exam.
- an oral exam aimed at verifying the acquired knowledge regarding the topics covered in the Clinical Nursing courses in General Medicine, Pharmacology, Internal Medicine, and Clinical Pathology.

In the oral exam, students will be asked four questions regarding:

signs and symptoms, diagnosis, and medical treatment in relation to the course topics; clinical evaluation and interpretation of laboratory data in relation to the course topics; care planning in relation to the course topics; and pharmacology.

The written laboratory exam consists of 10 questions designed to assess nursing skills and the ability to solve exercises on drug dilution. Access to the practical laboratory exam is permitted only to students who pass both written exams, achieving a minimum score of 18/30 in each. Passing the practical exam is a prerequisite for the oral exam.

In the practical exam in the simulation classroom, students will be required to correctly perform two of the nursing procedures included in the laboratory program and explain the scientific rationale behind their actions. Correct execution of the procedures will be verified using the checklists used during the guided learning phases.

The written Pharmacology exam includes 15 multiple-choice questions; each incorrect or missing answer will be awarded 0 points. The exam is passed with at least 8 correct answers out of 15.

The written tests will be administered the day before the oral and practical exams.

The exam is considered passed with an overall grade of 18/30 or higher, having successfully completed each module of the integrated course.

Learning assessment and final grade award criteria:

The commission assigns a single grade out of 30, plus honors, to which the following grades contribute:

- internship (40%);
- laboratory test (10%);
- written exam in Pharmacology (written test) and oral exam (Clinical Nursing in General Medicine, Internal Medicine, and Clinical Pathology) (50%).

Assessment Criteria In the oral exam, 15 points are awarded based on clarity of presentation and the demonstrated command of language (30%), completeness of content (30%), and logical reasoning (40%).

In the practical exam, 3 points are awarded for the correct execution of skills in the simulation classroom. In the internship evaluation, 12 points are awarded for the assessment of the ability to apply knowledge and understanding. Each skill is assigned the following score: 1 = Absent, 2 = Low, 3 = Average/Fair, 4 = Good, 5 = Very good/Excellent. The average score is calculated. An average score lower than 1.9 is considered a failure; an average score of 2-2.8 will be awarded 1-2 points; an average score of 2.9-3.7 will be awarded 3-5 points. For an average of 3.8-4.6, 6 to 9 points will be awarded; for an average of 4.7-5, 10 to 12 points will be awarded.

Testi di riferimento

Lynda Juall Carpenito- Moyet - Diagnosi infermieristiche - Applicazione alla pratica clinica; CEA 2010. Massimi Renato "Medicina Interna" MC Graw-Hill, 2019.

R. Antonelli Incalzi: Medicina Interna per scienze infermieristiche (Piccin), 2012.

Consultable texts

B. D. Clayton, Y.N. Stock, Fondamenti di Farmacologia per Infermieri, EDISES, 2007 (Edizione italiana a cura del Prof. Paolo Preziosi); Ledonne – Tolomeo;

C. CALCOLI E DOSAGGI FARMACOLOGICI; La responsabilità dell'infermiere; Casa Editrice Ambrosiana; Edizione:II (2014); Di Giulio. Farmacologia generale e speciale per le lauree sanitarie- Casa Editrice Piccin, Edizione II

Risultati di apprendimento specifici

Be able to correlate the main signs and symptoms that identify an alteration in the care needs of a patient with an internal medicine disease. Recall and explore the elements that constitute nursing methodology. Be able to describe and implement an appropriate care plan based on critical and rational reasoning, related to the main pathologies presented. Know and understand the general principles of pharmacodynamics and pharmacokinetics, the therapeutic activity, and side effects, organ and system, of the main drug categories, in relation to the main pathological conditions. Understand the role and importance of laboratory medicine for a correct diagnosis. Know the main analyses that allow for obtaining essential data in diagnostic processes. Know and be able to describe the required procedures. Be able to collect data on signs and symptoms according to the Virginia Henderson Model of Care, and be able to identify altered needs. Be able to formulate nursing diagnoses and collaborative issues related to altered needs. Ability to plan preventive, curative, and rehabilitative nursing interventions. Ability to implement planned procedures. Ability to evaluate the effectiveness of interventions. Ability to safely manage drug therapy and monitor its effectiveness. Knowledge of methods for collecting and preserving biological samples.

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2019)	comune	12	MED/45, MED/09, BIO/14, MED/05, MED/45, MED/45

Stampa del 30/07/2026

Integrated course of clinical nursing in specialist general Medicine [1302207]

Offerta didattica a.a. 2026/2027

Docenti: MICHELA PIREDDA, FABIO MANGIACAPRA, EMANUELA SALVATORELLI, GIUSEPPE TONINI, OMBRETTA ANNIBALI, SILVIA MANFRINI, ANNA MARCHETTI

Periodo: Secondo Ciclo Semestrale

Obiettivi formativi

The course aims to provide the student the knowledge and understanding of the nursing care to manage the clinical and care needs of patients (and their families) with haematological, oncological, cardiovascular and endocrinological diseases. The course aims also to enable the student to apply knowledge to understand diagnostic, prognostic and therapeutic perspectives of patients, evaluating and planning the preventive, educational, healthcare and palliative interventions related to their nursing expertise in the context of specialist clinical medicine and palliative care.

Prerequisiti

Clinical nursing in general medicine

Contenuti del corso

Oncology

General principles of Medical Oncology; The epidemiology of oncological diseases; Innovative therapies in Oncology; Breast Cancer; Lung Cancer; Colorectal Cancer; Stomach Cancer; Pancreatic Cancers; Prostate Cancer; Toxicity from Immunotherapeutics, Chemotherapeutics and Biological therapies.

Haematology

Hematopoietic system. Laboratory diagnosis. Physiopathological and clinical classification of anemias. Sideropenic anemia. Acute myeloid and lymphoid leukemias. Chronic myeloproliferative and lymphoproliferative disorders. Allogeneic and autologous transplant. Hemostasis. Thrombocytopenia and thrombocytopathies. Coagulation disorders. Thromboembolic disease. Oncohaematological emergency. Infusion therapy.

Nursing care in oncology

Fundamentals of cancer prevention from a One Health perspective. Modifiable risk factors and health education. Overview of oncology care throughout the entire care process: prevention, screening, diagnosis, treatment, rehabilitation, and follow-up. Most common care issues in cancer patients (pain, fatigue, anxiety, distress, ecc.) Care for patients undergoing medical treatment (administration of antineoplastic drugs and biological therapies). Prevention and treatment of side effects of cancer treatments: neutropenia, anemia, thrombocytopenia, oral and intestinal mucositis; nausea and vomiting, constipation, fatigue, nutritional deficiencies, alopecia, neurotoxicity, cardiotoxicity, etc. Nutrition and nutritional support in patients with various types of cancer. Dependence on nursing care in patients with advanced cancer.

Cardiovascular diseases

ECG course. Emergencies in cardiology. Practise in: Holter ECG, holter pressure, exercise test; echocardiography. Emodynamics; Electrostimulation/Electrophysiology. Cardio Center

Endocrinology

Type I and type II diabetes. Lifestyle of diabetic patients. Nursing care of diabetic patients. Obesity. Endocrinological and metabolic disorders.

Nursing in palliative care

Philosophy of palliative care. 38/2010 law and the palliative care network. Prognosis markers, scales and tools for the evaluation of: QoL, pain and most common symptoms in CP. Treatment strategies of the most common symptoms. Interventions aim to protect the dignity, autonomy, integrity and vulnerability of patients and their families. Main routes of drug administration. Roles of different professional figures.

Pharmacology

Drug therapy of cardiomyopathy and heart failure; Principal antiarrhythmics drugs; Main drugs for gastric acidity (antacids, inhibitors of gastric secretion and protective of the gastrointestinal mucosa); Drug therapy of diabetes; Antineoplastic drugs; Neuropharmacology (treatment of epilepsy, psychosis, depression, anxiety, sleep disorders, Parkinson's disease and Alzheimer's disease).

Metodi didattici

Haematology
Frontal lectures (12 hours)

Oncology
Frontal lectures (12 hours)

Cardiovascular disease
Frontal lectures (8 hours)
Laboratory activities (4 ore)

Endocrinology
Frontal lectures (12 hours)

Nursing in palliative care
Frontal lectures (12 hours)

Nursing in Oncology
Lesson (12 hours)

Pharmacology
Frontal lectures (24 hours)

Clinical training supervised by a clinical tutor (210 hours)

Modalità di verifica dell'apprendimento

The final exam consists of passing the clinical internship, a multiple-choice written test, and an oral exam. The written exam can only be taken if the student successfully completes the clinical internship with a positive evaluation from the clinical tutors at the end of the required period. To access the oral exam, the student must have previously passed the written test.

The test consists of 38 multiple-choice questions divided by subject based on the course load: 5 questions for Oncology Nursing, 5 questions for Endocrinology, 5 questions for Cardiovascular Diseases, 5 questions for Hematology, 5 questions for Palliative Care Nursing, 8 questions for Pharmacology, and 5 questions for Oncology. The final grade for the written exam will correspond to the total number of correct questions and will be expressed out of 30. Passing the written exam with a grade of at least 18/30 is a prerequisite for accessing the oral exam. The exam will focus on the course content and, in particular, on the diagnostic and therapeutic process of patients with major hematological, oncological, cardiovascular, and endocrine diseases; on knowledge of the symptoms and psychosocial issues that impact the quality of life of patients and their families affected by these diseases until the end of life; on the nursing care needs of patients throughout their disease trajectories; on strategies for planning and evaluating nursing care, taking into account the available evidence; on the mechanisms of action of major drugs and the indications for hematological, oncological, cardiovascular, endocrine, and palliative treatments, as well as on their safe management and administration, and on the criteria for monitoring desired, adverse, and unexpected effects.

Learning assessment and final grade assignment criteria:

The commission issues a single final grade, which is based on:

70% of the oral exam grade

30% of the internship grade, based on the achievement of the expected results in terms of the ability to apply knowledge and understanding, as described in detail in the internship report for the student.

Testi di riferimento

Oncology

Reference book:

Raffaele Antonelli Incalzi "Medicina interna per Scienze Infermieristiche" Editore Piccin. Capitolo "Oncologia Medica" II Edizione 2021; COMU Collegio degli Oncologi Medici Italiani Manuale di Oncologia 2022

Haematology

Reference book:

Raffaele Antonelli Incalzi "Medicina interna per Scienze Infermieristiche" Editore Piccin. Sante Tura, Corso di malattie del sangue e degli organi emopoietici, II Edizione 2021

Endocrinology

Reference book:

D'Armiento M, Dondero F, Lenzi A. Guida allo studio dell'Endocrinologia. Sapienza Università di Roma Ed. SEU

Nursing in palliative care
Slides used in academic lectures

Nursing in oncology
Didactic material provided by the teacher
Selected scientific articles

Pharmacology
Slides used in academic lectures
Book to consult:

B.D. Clayton, Y.N. Stock, Fondamenti di Farmacologia per Infermieri, EDISES, 2007 (Edizione italiana a cura del Prof. Paolo Preziosi); Ledonne – Tolomeo; CALCOLI E DOSAGGI FARMACOLOGICI; La responsabilità dell'infermiere; Casa Editrice Ambrosiana; Edizione:II (2014); Di Giulio. Farmacologia generale e speciale per le lauree sanitarie- Casa Editrice Piccin, Edizione II

Risultati di apprendimento specifici

To be able to understand the main clinical problems and the diagnostic-therapeutic process of patients suffering from hematological, oncological, cardiovascular and endocrinological diseases, as well as to acknowledge the symptoms and psycho-social problems that affect the quality of life of patients and their families, including the context of Palliative care.

To be able to know the nursing care needs of patients affected by the main hematological, oncological, cardiovascular, endocrinological diseases. Knowledge and understanding of the main strategies for planning and evaluating nursing care, in the hematology, oncology, cardiovascular, endocrinology and palliative care fields. Knowledge of the mechanism of action of the main drugs and the use in hematological, oncological, cardiovascular and endocrinological treatments, as well as their management and safety.

Knowledge and understanding of the value of professional network to address the complexity of healthcare problems in specialist medicine and palliative care

Ability to give a global and systematic evaluation of patients with diseases within the medical-specialist and palliative care areas, to identify nursing care needs, applying the principles of clinical reasoning. Ability to plan, implement and evaluate preventive, educational and healthcare nursing interventions for patients with different diseases, in a personalized, effective, efficient and ethical manner.

Ability to safely manage, administer and monitor pharmacological and transfusion therapies in the areas of Specialized General Medicine and Palliative Care

Ability to collaboratively and effectively work with the whole team, through the use of dialogue and discussion as fundamental tools of vocational practice.

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2019)	comune	15	MED/13, BIO/14, BIO/14, MED/45, MED/45, MED/45, MED/11, MED/06, MED/15

Stampa del 30/07/2026

Maternal and child Health Nursing [1302306]

Offerta didattica a.a. 2026/2027

Docenti: CORRADO TERRANOVA, MELANIA MARTUCCI, FRANCESCA RIZZI, MARIA FRANCESCA TACCHI, MARIA MATARESE

Periodo: Secondo Ciclo Semestrale

Obiettivi formativi

The course aims to develop skills in care management, particularly in the comprehensive assessment of women and children, in diagnosing nursing competence issues in community and hospital settings in the maternal and child care area, throughout all phases of the care pathway, and in responding to the needs of women and children through the planning, implementation, and evaluation of appropriate and personalized care plans in collaboration with the patient, their families, significant others, and other social and health workers.

Prerequisiti

Knowledge of Nursing in Public Health, General Medicine, Surgery and Clinical Nursing in Medicine and Surgery.

Contenuti del corso

General and Specialized Pediatrics

- Childbirth assistance. Main neonatal care procedures. Neonatal problems. Respiratory distress
- Characteristics of the neonatal physical examination
- Growth and psychomotor development. Methods for recording anthropometric parameters
- Pathophysiology of bilirubin, Rh and ABO incompatibility, neonatal hemolytic disease (ND), anemia, bleeding disorders
- Upper and lower respiratory tract infections
- Acute articular rheumatism, juvenile idiopathic arthritis
- Acute diarrhea and dehydration
- Genitourinary tract malformations, urinary tract infections, nephritic and nephrotic syndrome
- Seizures
- Exanthematous diseases
- Vaccinations
- Meningitis
- Osteoarthritis
- Anemia
- Pediatric tumors

Pediatric nursing

- The pediatric care process
- The rights of hospitalized children
- Child hospitalization
- The physiological newborn: definition and characteristics
- The newborn at risk: definition and care (premature infants, oxygen therapy and respiratory distress, hypothermia)
- Physiological and pathological jaundice
- The psychophysical and social development of children
- Care for children with hydrocephalus and spina bifida
- Pain prevention
- Nursing care for adolescents: the psychophysical and social development of adolescents.
- Major Adolescent Pathologies
- Life-sustaining Care for Children and Adolescents
- Pediatric Emergencies: Pediatric Triage, the Critically Ill Child

Midwifery Nursing

- Maternal and Child Care During Pregnancy
- Low-Risk Pregnancy Monitoring
- Labor, Pain Management, and Tools for Monitoring and Managing Maternal and Fetal Well-Being
- Cesarean Section and Vacuum Suction

- Care and Monitoring in the Physiological and Pathological Postpartum Period
- Multidisciplinary Management of Major Obstetric Emergencies

Gynecology and Obstetrics

- Anatomy and Physiology of the Female Reproductive System
- Gynecological Endocrinology: Hypothalamic-Pituitary-Ovarian Axis, Ovarian Cycle, and Menstrual Cycle
- HPV Infection
- Pap Smear and Cervical Dysplasia
- Instrumental diagnostics in gynecology: colposcopy, ultrasound, hysteroscopy, laparoscopy
- Endometriosis
- Malignant tumors of the female genital tract (cervix, uterus, ovaries): epidemiology, diagnosis, staging, treatment
- Main surgical techniques in gynecology

Clinical Internship

The student will complete clinical experience in pediatric wards, pediatric or neonatal intensive care units, emergency rooms, delivery rooms, and pediatric day hospitals under the guidance of a tutor.

Metodi didattici

General and Specialty Pediatrics: Lectures (12 hours). Gynecology and Obstetrics: Lectures (12 hours). Midwifery Nursing: Lectures (12 hours). Pediatric Nursing: Lectures (12 hours). Professional internship supervised by a clinical tutor in maternal and child health departments and services (120 hours).

Modalità di verifica dell'apprendimento

The exam consists of an oral exam and an evaluation of the professional internship.

The professional internship is evaluated by clinical tutors based on a specific evaluation form listing the learning objectives to be achieved in the clinical settings. Successful completion of the 4 credits of the internship and a positive evaluation are required to access the oral exam.

The oral exam consists of an interview during which instructors will assess the student's knowledge, interpretation, and analysis skills related to the most common newborn and child diseases, newborn and maternal care, pediatric patient care, and gynecological conditions and their treatments.

Learning assessment and final grade assignment criteria:

The assessment involves assigning a final grade out of 30, with possible honors, which includes:

- the professional internship grade (with a 20% weighting of the final grade)
- the oral exam grade out of 30 (with a 80% weighting of the final grade).

The internship grade is expressed out of 30, with possible honors, and formulated by the clinical tutors at the end of the internship period based on the demonstrated abilities related to the professional training objectives described in detail in the internship evaluation form. The form lists 28 skills, and each skill is assigned the following score: 1 = absent, 2 = low, 3 = fair, 4 = good, 5 = excellent. The average score of the 28 skills listed is calculated. An average grade of less than 1.9 will not be considered a pass. An average grade of 2-2.8 will be awarded a score of 18-21/30, a score of 2.9-3.7 will be awarded a score of 22-25/30, a score of 3.8-4.6 = 26-28/30, a score of 4.7-5 = 29-31/30.

In the oral exam, a score of 18-23/30 is awarded when the student demonstrates memorization of the basic knowledge, a score of 24-27/30 when demonstrating the ability to interpret the knowledge learned, and a score of 28-31/30 when demonstrating the ability to analyze situations by applying the knowledge learned.

Testi di riferimento

Manuale di nursing pediatrico. Badon P. 2020.

Principi fondamentali dell'assistenza infermieristica neonatologica. Login MN. 2024.

Ginecologia e ostetricia. Pescetto G, De Cecco L, Pecorari D, Ragni N. 2017.

Material provided by the teacher consistent with the CFU of the module.

Risultati di apprendimento specifici

Knowledge and understanding of the most common pediatric diseases. Knowledge and understanding of children's growth and pubertal development.

Knowledge and understanding of symptoms and mother-child contact, whether or not a serious disease exists that requires immediate medical attention.

Knowledge and understanding of infectious diseases that require separation of the child from the environment or community.

Knowledge and understanding of emerging pediatric diseases.

Knowledge and understanding of positive relationships with mothers experiencing psychological or social difficulties.

Knowledge and understanding of the issues facing children from outside the EU.

Knowledge and understanding of the risk factors and clinical signs of various gynecological diseases. Knowledge and understanding of the treatment and nursing support needed for patients in the outpatient clinic and on the ward.

Knowledge and understanding of the potential of preventive medicine and early diagnosis in gynecology.

Knowledge and understanding of the professional support needed for patients in the gynecological field, including the ability to address the main clinical and surgical problems.

Knowledge and understanding of bioethical principles, with particular reference to the protection of human life and sexuality.

Knowledge and understanding of the needs of nursing care during pediatric and neonatal development and the triad, its reactions related to acute or chronic illness, ongoing treatments, institutionalization, changes in daily living activities, and perceived quality of life.

Knowledge and understanding of conceptual and role models within the nursing process to facilitate development in promoting, maintaining, and recovering the health of citizens.

Knowledge and understanding of the importance of promoting breastfeeding.

Knowledge and understanding of the roles and activities required by the professional profile and other regulatory sources to care for individuals, specifically during pediatric and neonatal development and women, in various care settings.

Knowledge and understanding of the physiological changes that occur in pregnant women. Knowledge and understanding of the general concepts of monitoring and care for low-risk pregnancies, labor, delivery, and the postpartum period.

Knowledge and understanding of major obstetric pathologies and the interpretation of signs and symptoms of abnormalities in obstetric emergencies.

Ability to apply knowledge and understanding in the comprehensive and systematic assessment of women and babies, using reference theories and conceptual models, appropriate tools, and systems, taking into account physical, social, cultural, psychological, spiritual, and environmental factors in the community and hospital settings, at all stages of the care pathway.

Ability to apply knowledge and understanding in diagnosing complex and evolving nursing problems in the community and hospital settings in the maternal and child care area, at all stages of the care pathway.

Ability to apply knowledge and understanding in responding to the needs of women and babies through the planning, implementation, and evaluation of appropriate and personalized care plans in collaboration with the patient, their families, significant others, and other health and social care workers in the community and hospital settings, at all stages of the care pathway.

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2019)	comune	8	MED/38, MED/40, MED/45, MED/47, MED/45

Stampa del 30/07/2026

COMUNITY NURSING [1302202]

Offerta didattica a.a. 2026/2027

Docenti: DANIELA TARTAGLINI, ANTONELLA CONESTĂȚ, ROSA BRUNI

Periodo: Secondo Ciclo Semestrale

Obiettivi formativi

Educational objectives (knowledge and understanding)

The course aims to provide knowledge and understanding of the influences of physical and psychological conditions, treatments and outcomes of different pathologies on the nursing care needs of people assisted in the community and hospital setting in all phases of the care pathway (pre-intra-post-intervention/procedure, discharge and home) including the context of palliative care.

The course aims to provide knowledge and understanding of the influences of physical and psychological conditions, treatments and outcomes of different pathologies on the nursing care needs of people assisted in the community and hospital setting in all phases of the care pathway (pre-intra-post-intervention/procedure, discharge and home) including the context of palliative care.

The course will allow students to deepen their knowledge and stimulate new ideas regarding the role and functions of the nurse who works at a territorial level, and especially in the context of social and health services that deal with particular categories of patients: psychiatric, geriatric, immigrant, oncological at the end of life and in chronicity. The specific area of home care will also be addressed in the discussion of the topics, with a particular focus on palliative care.

Prerequisiti

Nobody

Contenuti del corso

Community Nursing and Primary Health Care World Conference Alma Ata 1978 / WHO and UNICEF European Conference on Nursing 1988. Recalls on the organization of the National Health Service. Community / network of services / Multi-professional team - volunteering. Health workers in the community: implications for the nursing profession related to the current legislative scenario and set out in the National Recovery and Resilience Plan (PNRR); strengthening and reorienting the NHS; detecting the need for nursing care at the territorial level, identifying community health problems. Individual/family unit: evaluation and planning of self-care interventions. Phases of the teaching methodology: planning a health education intervention.

Home care: Historical evolution of home care (European countries; America, Italy). Legislative aspects at national and regional level. Type of services: public/private and specific areas of intervention. Organizational aspects: role and functions of operators, characteristics of interdisciplinary work, planning of activities, methods of intervention, activation of the network of services and territorial structures. Training and multi-professional collaboration.

The home nurse: Profile of the home nurse, organizational aspects related to nursing activities. Definition of professional responsibility and related implications for home nursing activity in the dependent or freelance regime. Application of the conceptual model of D. Orem in the home nursing care process. Analysis of operational tools: (work plans, protocols, home records, etc.)

The family and community nurse: the community nursing care service for: Immigrants with health problems; people with mental disorders.

Ethical and psychological issues in home care with respect to: patient: family/significant persons, operators, students, public and private home care services: two experiences compared

Nursing research: Analysis and commentary of some research related to home care and presentation of proposals to be carried out during internships.

Course contents

General part

Models of the mind: between biology and psychology.

Psychiatric care: Principles, regulations and organization of services.

Clinical psychopathology and psychiatric semiotics. Consultation/liaison psychiatry: mental disorders in hospital clinical practice.

Multi-contextual therapeutic rehabilitation approaches and strategies.

The group as a therapeutic tool.

Clinical nursing: Skills and responsibilities of the professional in psychiatry.

Special part

Anxiety disorders. Mood disorders. Schizoaffective disorders and psychosis. Somatoform disorders and the concept

of somatization. Eating disorders. Adjustment disorders and physical illness.

Clinical Internship

The internship will consist of a clinical experience in territorial services, outpatient clinics, day centers, home care and psychiatric services under the guidance of a tutor.

Metodi didattici

lectures

group work with presentation in the classroom, analysis of clinical cases, seminars, film screenings, visits to some local health facilities

clinical internship

Modalità di verifica dell'apprendimento

The exam can be taken only if the student has reached the required number of hours and passed the clinical internship period with a positive evaluation. The evaluation of the clinical internship is expressed in thirtieths by the clinical tutors at the end of the required period, based on the achievement of the professionalizing training objectives described in detail in the internship sheet for the student's use.

The exam includes an oral interview during which questions will be asked to verify the possession of knowledge, and the ability to interpret and analyze the knowledge relating to the teachings that make up the course.

Criteria for measuring learning and assigning the final grade:

The commission will express a single grade in thirtieths and possible honors taking into account the evaluation assigned:

a) to the internship (weight of 30%)

b) to the oral interview (70%).

Testi di riferimento

D. Tartaglini (a cura di), L'Infermiere e la comunità. Teorie e modelli organizzativi per il lavoro sul territorio, Carocci Faber, Luglio 2006.

Infermieristica preventiva, di famiglia e di comunità, Sandra Scalorbi-Yari Longobocco-Andrea Trenrin. Seconda Edizione Mc Graw Hill

Cure Primarie e Servizi territoriali. Esperienze nazionali ed internazionali. Carocci Faber ed. 2019 autore Gavino Maciocco.

Assistenza domiciliare e Cure Primarie. Il nuovo orizzonte della professione infermieristica. Autori Silvia Marcadelli, Paola Olbia, Cesarina Prandi. Edizione EDRA 2018.

Testi da consultare

Antoine Audouard. Una casa ai confini del mondo, Guande.

Eric-Emmanuel Schmitt. Oscar e dama in rosa, BUR.

Bartoccioni, Bonadonna, Sartori. Dall'altra parte, BUR.

CicelySaunders. L'assistenza ai malati incurabili, Shirley DuBoulay.

Secchiaroli L. Principi di Psichiatria, Carocci Faber, Roma 2005.

Ciambriello C, Cantelmi T, Pasini A. Infermieristica clinica in igiene mentale, Ed. Ambrosiana, Milano 2001.

Testi consigliati

In occasione dell'inizio del corso sarà fornito agli studenti una lista di letture consigliate ai fini dell'esame

Risultati di apprendimento specifici

Identify the goals and objectives of primary healthcare in accordance with international and national guidelines.

Outline the general characteristics that define a community and, within it, the network of public and private social care services, with particular attention to the working methods of multi-professional teams.

Identify the characteristics that define the individual/family unit, with particular attention to situations requiring self-care programs.

Know the historical and legislative development of home care and analyze the organization of home care services at the international and national levels.

Understand and be able to use the main concepts of psychopathology and psychiatric semiotics;

Understand and use the vocabulary of psychiatry and psychopathology.

Identify the role and functions of nurses working in home care services.

Define the characteristics of professional responsibility for nurses working in the home as employees and/or freelancers.

Plan interventions for complex care issues, with particular attention to prevention, health education, and rehabilitation activities, and respect for the patient/family unit.

Identify and analyze the main ethical and psychological issues that arise from the human and socio-environmental perspectives of home care.

Understand the goals, objectives, and organization of some public and private home care centers.

Identify areas of nursing research in the home setting and design individual work to be completed during the internship.

Identify the different forms of mental distress/disorder;

Manage the relationship with patients suffering from mental distress/disorder;

Manage nursing care for patients suffering from mental distress/disorder admitted to hospital or attending outpatient clinics;

Manage nursing care for psychiatric patients in critical/emergency situations (agitated patients, delusional patients, oppositional patients, catatonic patients, etc.);

Develop a care/rehabilitation plan for psychiatric patients attending community psychiatric services.

Know and identify the structural and organizational characteristics of services;

Distinguish the roles and responsibilities of the social and health personnel working in the service; observe and collaborate with the operators in carrying out activities within the service and in home care;

Plan and implement care in response to patient needs and under the guidance and supervision of the nurse;

Develop the organization of new nursing services for community care.

Know basic concepts of clinical psychiatry and psychopharmacology.

Know the organization of community psychiatric services.

Understand the meaning and importance of teamwork as an essential requirement for psychiatric care in services.

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2019)	comune	7	MED/45, MED/45, MED/25, MED/45

Stampa del 30/07/2026

Public Health Nursing [1302205]

Offerta didattica a.a. 2026/2027

Docenti: TOMMASANGELO PETITTI, CINZIA LEUTER, ANNA SABATINI, ELISABETTA MARFOLI, SARA RAMELLA, ANDREA IANNI

Periodo: Secondo Ciclo Semestrale

Obiettivi formativi

At the end of the course the student must have acquired general knowledge on the issues of public health, disease prevention and health promotion and on the tools and methods needed to analyse a public health problem through the collection, representation, and analysis of the necessary data, using IT tools; must also have acquired the basic knowledge on the use of technologies that use ionizing and non-ionizing radiation for secondary prevention and treatment activities. Furthermore, the course will enable students to acquire the skills to design educational interventions aimed at community health.

Prerequisiti

none

Contenuti del corso

Medical statistics

- Statistics as a method for understanding biological phenomena.
- Main applications of quantitative data analysis.
- Methodology for data acquisition and representation.
- Data quality control.
- Introduction to the methods of inferential statistics.
- Absolute and relative frequencies, measures of central tendency and dispersion.
- Methods for studying variability.
- The main frequency distributions: normal, binomial and Poisson.
- Probability theory.
- Statistical inference: choice of statistical tests.
- Hypothesis testing; critical reading of p-values and confidence intervals.
- Statistical significance.
- Main sources of health data.

Informatics

- Fundamentals of Informatics:
 - o Introduction to computer science: information and information processing, algorithms.
 - o Computer architecture: The operating system.
 - o Computer networks
 - o Definition of Informatics and Medical Informatics.
 - o The man-machine interface.
 - o or The Operating System. The File System.
 - o Proprietary and Open Software
- Introduction to the computer lab: general concepts.
- Spreadsheets [Calc].
 - o Definition and history of the spreadsheet. Interface.
 - o Save a document.
 - o Work on tabs and cells.
 - o Management of the types of values in the cells.
 - o Border, background, and alignment management.
 - o The fill handles.
 - o How to define cell spaces and single cells.
 - o Simple formulas. How to copy a formula to other cells
 - o Constants and variables; the cell as a variable.
 - o Define a name: relative, absolute, mixed references.
 - o Functions, simple and complex. Conditional functions; logical operators and logical functions.
 - o Graphics Management
- General and applied hygiene
 - Epidemiology
 - o Hygiene and public health: definition, field of application Prevention: times and methods of prevention

- o Epidemiology and epidemiological method;
- o study models;
- o measures of frequency and risk
- o Study of epidemic events
- Epidemiology and prophylaxis of infectious diseases
- Active and passive immunoprophylaxis
- Healthcare associated infections
- Risks related to health care and prevention Environmental hygiene
- Epidemiology and prevention of multifactorial diseases
- Principles of healthcare organization

Preventive Nursing

- Concepts of health promotion and prevention: analysis of the institutional and personal meaning of health, historical notes and definitions
- the role of the educator
- Principles and strategies of health promotion:
- Difference between health education and primary, secondary, tertiary prevention health education
- The concept of health promotion
- Fields of intervention of health education
- Planning and planning of health education interventions objectives and goals of the National Health Service
- The 5 phases of planning health education interventions:
- Analysis and definition of health needs definition of educational objectives
- Choice of methodologies (health education tools)
- Planning and implementation of the educational intervention (resources and constraints for the implementation of the educational intervention)
- The concept of evaluation
- Materials and communication tools for health information and education
- Consultation of legislative sources: the integrated system for the realization of social welfare (L.Q. 328/00) Health education project chosen for the final mandate

Radioprotection and Radiotherapy

- Protection from ionizing radiation
- Image Extraction
- Radiation / matter interaction: radiobiological aspects
- Main types of Radiotherapy
- Immediate and delayed side effects of Radiation

Professional internship

Development of a health education project for a population identified by the instructor

Metodi didattici

Teaching methods

Frontal lessons

Small group work

Lessons held in the multimedia laboratory

Project development

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Modalità di verifica dell'apprendimento

Knowledge will be assessed through a written test and an oral exam.

The written test will consist of two phases:

- The first phase will include a multiple-choice questionnaire of 16 questions (8 on basic computer science topics and 8 on basic statistics topics); the test will last 16 minutes. Correctly answering at least four statistics questions and four computer science questions will be considered sufficient. Passing this test will qualify the candidate to continue the exam.
- The second phase will involve the administration of a public health problem with a series of at least four questions and a set of data necessary to answer the questions. The candidate will be asked to respond to the questions by developing a short document. The questions will range from the summary of data present in a variable, to a simple analysis and representation of the data (inserting formulas, graphs, and formatting according to the instructions provided in the assignment), to an interpretation of the results obtained.

The objective of this exam is to explore basic theoretical knowledge of statistics and computer science and assess the student's ability to interpret public health issues and apply acquired knowledge of epidemiology, prevention, statistics, and computer science to describe the phenomenon presented. The exam will last 120 minutes.

Oral exam: The oral exam aims to measure the student's knowledge of the topics covered in the integrated course program. The student's ability to connect the different topics, including in an interdisciplinary manner, will also be assessed. Particular attention will be given to language proficiency and the ability to demonstrate the ability to apply the acquired knowledge in real-life professional contexts.

Learning assessment criteria and final grade assignment:

The assessment criteria shared by the examination committee for grade assignment relate to both theoretical knowledge and the ability to apply this knowledge and design educational interventions. Presentation skills will also

be assessed. In assigning the final grade, the examination committee will necessarily take into account the findings of the individual tests and the grade assigned to the internship, and will provide an overall assessment of the candidate. Fragmented and superficial knowledge of the content, errors in applying concepts, and poor presentation will result in a failing grade; failure to achieve a passing grade in even one of the tests will result in a failure to pass the exam, as described in detail above. In this case, the exam must be retaken in its entirety. A growing level of demonstration of acquired knowledge and depth, appropriateness in applying the aforementioned concepts, and mastery of the ability to analyze the content learned (including in an interdisciplinary context), along with a growing ability to apply the concepts learned and present the content in a structured manner, will characterize the achievement of gradually increasing levels of grade.

Testi di riferimento

Testi di riferimento

- Ricciardi G. et al. "Igiene per le lauree triennali e magistrali". (Manuale di Igiene) Idelson-Gnocchi Ed., Napoli, II Ed. 2020
- Norman G.R., Streiner D.L. Biostatistica – Quello che avreste voluto sapere... Capelli G., Federico B., Petitti T. (a cura di). Casa Ed. Ambrosiana, Milano, 2015
- Zannini L. SALUTE, MALATTIA E CURA. Teorie e percorsi di clinica della formazione per gli operatori sociosanitari. Franco Angeli Ed., Milano 2001
- Blezza F. Pedagogia della Prevenzione. Centro Scientifico Editore, S.I.Pe.M., Torino 2011
- Dispense tratte dal testo di M.A. Ruggiero. Investire sull'Intelligenza del territorio per l'attuazione del diritto allo sviluppo. Sistema Integrato e Progettazione Complessa per la Riforma del Welfare: L.Q. 328/2000. Ed. SEAM
- Balducci M., Cellini F., Cornacchione P., D'Angelillo R.M., Mattiucci G., Pasini D (a cura di). Elementi di Radioterapia Oncologica. Coordinamento scientifico: V. Valentini, L. Trodella. Soc. Ed. Universo, Roma Dispense ed altro materiale didattico distribuito dai Docenti;
- Manuali utente dei software utilizzati durante le lezioni.

Testi consigliati per approfondimenti:

- Ricciardi G. et al. Igiene - Medicina Preventiva - Sanità Pubblica. (Trattato di Igiene) Idelson-Gnocchi Ed., Napoli, III Ed. 2021
- Comodo N., Maciocco G. Igiene e sanità pubblica - Manuale per le professioni sanitarie. Carocci Ed., Roma 2011
- Barbuti S., Fara G.M., Giammanco G., et al. Igiene – Medicina Preventiva – Sanità Pubblica. Edises Ed., Napoli, I Ed. 2014
- d'Ivernois J.F., Gagnayre R. Educare il paziente. Un approccio pedagogico. Ed. McGraw-Hill, Milano 2006
- Lemma P. Promuovere salute nell'era della globalizzazione. Edizioni Unicopli, Milano 2005 (Cap. 1, 2, 3) Ferraresi A., Gaiani R., Manfredini M. Educazione terapeutica, metodologia e applicazioni. Carocci Faber Editore, Roma 2004
- Ripoli A. "Statistica medica facile – Alice nel paese del p-value". Il Pensiero Scientifico Ed., Roma, 2008
- Lantieri, Risso, Ravera Statistica medica per le professioni sanitarie, McGraw- Hill, Milano

Risultati di apprendimento specifici

Specific learning outcomes

Know and understand the fundamental elements of descriptive statistics and the foundations of inferential statistics, with particular reference to the criteria for choosing statistical tests. Know and understand the methods for collecting data on the patient and on the territory, for the application of statistical methods to epidemiology and public health.

Know and understand computer knowledge and the use of tools for processing and analyzing data and for evaluating their content. Know and understand the basic knowledge of computer architecture and the basic principles of operating systems and networks.

Know the main types of epidemiological study, frequency and risk measures. Know the reciprocal relationships of the three vertices of the epidemiological triangle: Agent-Guest-Environment. Knowing how to identify the main methods for measuring health-illness phenomena, for the construction of adequate indicators. Know and understand the methods for collecting data on the patient and on the territory, for the application of statistical methods to epidemiology and public health. Acquire concepts on methods of proven efficacy in the prevention and control of biological, chemical and physical risk. Know the aspects of major epidemiological relevance and the methods of prevention applied to some specific pictures of infectious and chronic-degenerative pathologies. Know the principles of the mechanisms of pathogenesis of healthcare-related infections and prevention and control strategies, based on evidence of effectiveness. Know the principles of hospital hygiene and technique and the methods for improving the safety of care in the various fields, based on methods of proven efficacy and international reference models.

Know and understand the basics of environmental hygiene. Acquire skills to identify individual and collective health needs of professional relevance, considering expectations, risk factors and educational needs

Know and understand the basics of the organization of public health services, with particular reference to national and regional planning tools.

Knowing how to apply the specific knowledge acquired in a multidisciplinary path, which allows him to decline the problems of Public Health in his professional activity. Integrate the knowledge of epidemiology, information technology and statistics to find the data necessary to achieve a predetermined objective, analyze them with IT tools and present them appropriately. Identify the main determinants of health in a population and plan primary, secondary and tertiary prevention interventions aimed at target populations

Identify the main risk factors on individuals and plan, organize and evaluate therapeutic education programs on

patients and caregivers. Apply knowledge and understanding of the impact of diagnostic or therapeutic techniques on the patient and the worker

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2019)	comune	9	MED/36, MED/01, INF/01, MED/45, MED/45, MED/42, MED/42, MED/45

Stampa del 30/07/2026

General English [13021C2]

Offerta didattica a.a. 2026/2027

Docenti: ROBERTA ARONICA, DOCENTE_FITTIZIO DOCENTE_FITTIZIO

Periodo: Primo Ciclo Semestrale

Obiettivi formativi

The course is aimed at enhancing knowledge of the foreign language. The object of the course is to go into detail with elementary English grammatical and syntactic structures. The teaching activities are taught by native speakers who collaborate with the University Language Centre.

Prerequisiti

Each student is required to take a placement test to identify their initial level of English language. Students with language certifications – issued no longer than three years previously by one of the following Exam Certifiers: Cambridge Assessment English; LinguaSkill; City and Guilds, Pitman; Edexcel / Pearson Ltd; IELTS; TCL Trinity College London; TOEFL ET – of level B1 or higher can obtain exemption by submitting an application to the attention of the University Language Center (cla@unicampus.it).

Contenuti del corso

In the 1 CFU semester-long curricular course, elementary logical-grammatical structures and English vocabulary are studied in depth.

Metodi didattici

The course is offered in the classroom through lectures and exercises according to English level.

Modalità di verifica dell'apprendimento

Final exam.

Learning assessment is conducted via a written test consisting of grammar exercises, text comprehension, writing and listening.

Lexical and grammatical knowledge and skills related to comprehension and written production are evaluated through a written test and a listening test with a respective open-ended comprehension questions at course level. Communication skills (speaking) are assessed by the teacher during the course through interactive activities. The test is evaluated on a pass or fail basis. To be awarded a pass grade, the student must obtain a total score equal to or greater than 60%.

Testi di riferimento

The teacher will provide the teaching material during the course.

Risultati di apprendimento specifici

By the end of the course, the student must have acquired elementary level knowledge of English.

Knowledge and understanding

At the end of the course, the student should be able to:

- read and understand texts in English and answer comprehension questions;
- understand conversations and answer questions about what has been heard;
- produce a written text on a general topic of at least 100 words.

Ability to apply knowledge and understanding

The student will be encouraged to develop a critical approach in their comprehension capabilities by listening to English audios and in written production through teaching methods gradually introduced during the course. Students will be urged to independently self-correct their own papers while verifying the level of understanding of other texts analyzed during the frontal lessons.

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2026)	comune	1	ANGL-01/C

Stampa del 30/07/2026

General English [13022C2]

Offerta didattica a.a. 2026/2027

Docenti: ROBERTA ARONICA

Periodo: Primo Ciclo Semestrale

Obiettivi formativi

The object of the course is the deepen knowledge of grammatical and syntactic English structures in conjunction with level B1 CEFR, assigned as the minimum educational, course objective. The teaching activities are taught by native speakers who collaborate with the University Language Centre.

Prerequisiti

Each student must have passed the first year General English test in order to take the second year exam. Students with language certifications – issued no longer than three years previously by one of the following Exam Certifiers: Cambridge Assessment English; LinguaSkill; City and Guilds, Pitman; Edexcel / Pearson Ltd; IELTS; TCL Trinity College London; TOEFL ET – of level B1 or higher can obtain exemption by submitting an application to the attention of the University Language Center (cla@unicampus.it).

Contenuti del corso

In the 1 CFU, one semester curricular course, logical-grammatical structures and the vocabulary of the English language are studied in depth in order to achieve the goals associated with this course.

Metodi didattici

The course is delivered through lectures and classroom exercises according to English language level.

Modalità di verifica dell'apprendimento

Final exam.

Learning assessment is conducted via a written test consisting of grammar exercises, text comprehension, writing and listening.

Lexical and grammatical knowledge and skills related to comprehension and written production are evaluated through a written test and a listening test with a respective open-ended comprehension questions at course level. Communication skills (speaking) are assessed by the teacher during the course through interactive activities. The test is evaluated on a pass or fail basis. To be awarded a pass grade, the student must obtain a total score equal to or greater than 60%.

Testi di riferimento

The teacher will provide the teaching material during the course.

Risultati di apprendimento specifici

By the end of the course, the student must have acquired a minimum level of English B1 CEFR.

Knowledge and understanding

At the end of the course, the student should be able to:

- read and understand texts in English and answer comprehension questions;
- understand conversations and answer questions about what has been heard;
- produce a written text on a general topic of at least 100 words.

Ability to apply knowledge and understanding

The student will be encouraged to develop a critical approach in their comprehension capabilities by listening to English audios and in written production through teaching methods gradually introduced during the course. Students will be urged to independently self-correct their own papers while verifying the level of understanding of other texts analyzed during the frontal lessons.

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2019)	comune	1	L-LIN/12

Stampa del 30/07/2026

Scientific English [1302308]

Offerta didattica a.a. 2026/2027

Docenti: ADAM JAMES MARTIN

Periodo: Secondo Ciclo Semestrale

Obiettivi formativi

Specific training objectives:

The course is aimed at learning English in the healthcare environment with the acquisition of specific vocabulary relating to the nursing profession.

Prerequisiti

Each student must have passed the first and second year General English tests in order to sit the final exam.

Contenuti del corso

The 1 CFU, one semester curricular course focuses on the use of medical-nursing terminology and the understanding of hospital related conversations in nursing practice.

Metodi didattici

Types of educational activities envisaged and methods of carrying them out:

The course is delivered in the classroom through lectures and exercises, simulating real situations of nursing practice.

Modalità di verifica dell'apprendimento

Knowledge assessment methods and criteria:

Written and oral exam

Learning assessment is carried out through a written and an oral test. The written test consists of listening to a conversation between medical-nursing staff and the patient and answering open-ended questions about what has been heard. The oral interview is based on a couple of questions on nursing practice.

Criteria for learning assessment and awarding the final mark

The final grade is awarded out of thirty and will be attributed by evaluating grammatical correctness, pronunciation and the technical-nursing contents studied.

Testi di riferimento

Teaching material used and recommended:

Textbook: Cambridge English for Nursing.

Risultati di apprendimento specifici

By the end of the course, the student must have acquired specific knowledge of medical-nursing vocabulary.

Knowledge and understanding

At the end of the course, the student should be able to:

- read and understand passages in English of a health nature;
- understand conversations in the healthcare environment and answer comprehension questions about what has been heard;
- answer to open-ended questions orally on the nursing profession.

Ability to apply knowledge and understanding

The student will be encouraged to develop a critical approach to his or her ability to understand the text being listened to by using the tools that the teacher will gradually propose during the course. Students will be encouraged to independently evaluate the level of understanding of texts analyzed during lectures.

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
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Università CAMPUS BIO-MEDICO di Roma - Via Alvaro del Portillo, 21 - 00128 ROMA

Bachelor or Laurea in Nursing (official title: Laurea in comune
equivalent first cycle Infermieristica) (2019)

1

L-LIN/12

Stampa del 30/07/2026

HEALTH MANAGEMENT [1302303]

Offerta didattica a.a. 2026/2027

Docenti: DANIELA TARTAGLINI, MARIAGIULIA NIGRO, TOMMASANGELO PETITTI, RAFFAELLA GUALANDI

Periodo: Primo Ciclo Semestrale

Obiettivi formativi

At the end of the course the student will be able to:

1. Know the meaning, strategies and organization of teamwork, essential elements of relationship competences; principal elements of resource programming and handling; elements of programming and performing quality improvement of nursing care and services; national and regional laws on national health system financing; principles on laws, healthcare programming and work contracts.
2. Know how to describe the necessary resources within a social care team to guarantee the well-being of the assisted person, how to communicate in a collaborative and efficient way in a team.
3. Know the principal elements of programming and handling of organizational processes and resources in healthcare services.
4. Know the main managerial theories and their application in healthcare organizations, the evaluation processes and quality improvement actions to guarantee quality of care.

Prerequisiti

none

Contenuti del corso

Health economics

The National Health System (SSN): evolution. Federalism in health, regional health services. Essential Levels of Assistance (LEA); the NHS: Hospital and Territory. The healthcare company: models, structure and processes. Reimbursement of services: iso-resource and iso-severity methods. The DRG-based classification system; the tariff for specialist services. Hospital, case-mix and performance indicators. Evaluation and reporting techniques. Health economics tools. Accountability and performance in healthcare organizations. Quality in medicine (Donabedian; structure, process, outcome). Safety and efficacy of care, risk management and continuous quality improvement. The national guideline system; the Recommendations of the Ministry of Health. The main types of economic analysis in healthcare; cost-benefit analysis (CBA: cost-benefit analysis). The QUALYs and their critical analysis. Application of the "evidence-based" method in the evaluation of practices in public health (Evidence-Based Public Health, EBPH). Accreditation of health facilities.

Health management

Organization and care models. Management, corporate behavior and managerial functions. Organization chart, function chart and company reports. Decision making process. Mission, vision, strategy. Nursing managerial functions. Models of care. Complexity of care and intensity of care. Pathways and resource management. Outline of project management. Leadership and Team Management. Proactivity and critical vision. Emotional intelligence and empathic communication. Time management and priorities. Interpersonal relationships, cooperation, interdependence. Leadership styles and management models. Economic Management and Quality of Care. Cost optimization and quality of care: effectiveness / efficiency. Quality of nursing care.

Legal aspects of the nursing profession

Evolution of the nursing profile. Development of advanced skills and operational areas

The nursing organization and professional protection bodies. Nursing training and professional practice.

Nursing associations.

Professional liability (criminal, civil, disciplinary and employee liability towards the public administration). The responsibility of the professional nurse in specific operational situations.

The freelancer nurse: legal and organizational implications.

The Codes of Ethics for the Medical and Nursing Profession. Relationship between ethics and professional practice.

The charters of human rights

Labor law

Regulatory evolution of the healthcare profession. Sources / Elements of Labor Law: Concept, Object and Purpose.

The civil law: the Contract. Book V of the civil code: subordinate work: characteristics, jurisprudence and doctrine.

Differences with Self-employment.

Legal qualification of the employment relationship: contractuality. The capacity of the contracting parties. The

requirements of the contract. The public employment relationship: notion and regulatory evolution. CCNL. Work contract and the obligations of the employee. Disciplinary power: Concept, Function and Limits. The procedure for imposing sanctions. The challenge of disciplinary sanctions. Atypicalities and different types of contracts. Work Safety and Privacy.

Responsibility of the nurse in the (abusive) exercise of the profession; main offenses.

Register of loading and unloading of narcotic and psychotropic substances; management of medical waste and information on disposal.

Metodi didattici

Nursing Management: 12 hours of lectures

Health Economics: 12 hours of lectures

Legal aspects of the nursing profession: 12 hours lectures

Labor law: 12 hours of lectures

Modalità di verifica dell'apprendimento

Learning evaluation methods and criteria:

The final evaluation of the integrated course consists of an oral test with which the teachers will ask questions to evaluate the knowledge possessed by the student in the disciplines that make up the integrated course, his ability to understand, interpret and critically analyze the contents learned.

During the oral exam 6 questions will be asked regarding the topics covered by the course and reported in the programs divided as follows:

issues of nursing management and legal aspects of the profession 2 questions

health economics topics 2 questions

Labor Law topics 2 questions

Criteria for measuring learning and awarding the final grade:

The commission expresses a single vote out of thirty and possible honors in which the evaluations of the disciplines of the integrated course converge. Failure to achieve sufficiency even in one of discipline leads to failure to pass the exam. In the evaluation of the test, 30% of the evaluation will be attributed to the expository clarity and language properties demonstrated, 40% to the logical reasoning used, 30% to the completeness of the contents and the ability to analyze and interpret the knowledge learned.

Testi di riferimento

Damiani G., Specchia M.L., Ricciardi W. Manual of Programming and Health Organization. Idelson-Gnocchi Ed., Naples, 2018 Ricciardi G. et al. Hygiene for Bachelor's and Master's Degrees. Idelson-Gnocchi Ed., Naples, 2nd Ed. 2020 Ricciardi G. et al. Hygiene - Preventive Medicine - Public Health. Idelson-Gnocchi Ed., Naples, 3rd Ed. 2021 Zanetti M. et al. The Doctor and Management. National Academy of Medicine Ed., 2nd ed. 2007 Benci L. Legal Aspects of the Nursing Profession. Rome: McGraw Hill; 2014. 6th Edition. Benci L., Professional Legal Manual for Nursing Practice, Publisher McGraw Hill. Milan 2005 (with updates until 2006) Grillo M. Schemes of Labor Law, Trade Union, and Social Security, latest edition April 2017, Series "Law in Schemes"

Risultati di apprendimento specifici

Knowledge and comprehension on main organizational models of healthcare services (relationship hospital and community services and network).

Identify the role of the national healthcare service (SSN) within the national general social context.

Knowledge and comprehension of the principal concepts, instruments and methods of the economy applied to healthcare organizations.

Knowledge and comprehension of the main concepts of continuous quality improvement applied to healthcare organizations.

Knowledge and comprehension of evaluation concepts on result appraisal, performance of healthcare organizations and services and prevention strategies based on efficacy evidences (evidence based public health).

Knowledge and comprehension of different organisation units and realities, in hospital and community, complexity factors and the fundamental elements of processes.

Knowledge and comprehension of the principal organizational critical issues and team management, collocated within proactive solutions of problems and enhancement of professionals.

Knowledge and comprehension of national, regional and local management of healthcare services.

Knowledge and comprehension of the effects of deontologic and legal norms on the exercise of the nursing profession.

Knowledge and comprehension of the fundamental rights of the person assisted, definition of scope and limits of deontologic laws, juridic national laws that affect nursing profession.

Knowledge and comprehension of deontologic laws to identify values and principles that regulate a correct nursing profession exercise and discuss the role competences and responsibilities in different health contexts.

Knowledge and comprehension of elements of law on contractual obligations and professional competences related to professional exercise.

Knowledge and comprehension of subordinate work and the various types of contracts.

Knowledge and comprehension of nursing responsibility within the professional exercise.
Knowledge and comprehension of legislation on the loading and unloading of drugs and waste disposal.

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2019)	comune	4	IUS/07, MED/42, MED/45, MED/45

Stampa del 30/07/2026

Clinical Methodology in Nursing [1302305]

Offerta didattica a.a. 2026/2027

Docenti: MARIA MATARESE, LUCA BORGHI, MARIA GRAZIA DE MARINIS

Periodo: Secondo Ciclo Semestrale

Obiettivi formativi

Learning Objectives (Knowledge and Understanding)

The course aims to provide knowledge and understanding of the main stages in the development of medical-surgical thought and practice, the evolution of nursing theories, the use of nursing terminology in clinical practice, and the relevance of research and evidence-based nursing in clinical care. Additionally, it includes the application of this knowledge within hospital-based medical-surgical clinical settings.

Professional Learning Objectives (Ability to Apply Knowledge and Understanding)

The course aims to enable students to acquire the ability to manage care problems in preventive, curative, rehabilitative, and palliative contexts, through a comprehensive and systematic assessment of the assisted person, a diagnostic process aimed at identifying and defining care problems, and a planning of interventions in collaboration with the patient, family, and other healthcare professionals. Furthermore, the course intends to develop the following competencies: to implement planned nursing interventions, adapting them to the individual while adhering to guidelines, protocols, and procedures; to safely administer medications and other therapies, verifying their effectiveness; and to communicate information to the care team in a concise, accurate, and timely manner.

Chiedi a ChatGPT

Prerequisiti

Clinical competence in Disabilities and Critical Care Nursing
Internship 3rd Year, 1st Semester

Contenuti del corso

Clinical Nursing Methodology

Nursing care classification systems (NANDA, NIC, NOC). Diagnostic reasoning in clinical practice. The most frequent nursing diagnoses and collaborative problems. Differential diagnostics. Nursing research and research process. Quantitative and qualitative research designs. Critical evaluation of qualitative and quantitative research articles. Literature reviews and meta-analyses. Critical evaluation of literature review / meta-analysis articles. The phases of Evidence-based Nursing. Use of evidence in clinical practice. The clinical guidelines. The choosing wisely movement.

Fundamentals of General Nursing 2

The interpretative models of health concepts. The scientific and professional development of Nursing. Nursing in relation to other disciplines and Medicine. The professional value of theories and theoretical models.

History of medicine

Topics in the history of medicine and healthcare, with a special focus on the last two centuries.

Internship

Care of adult patients admitted to medical and surgical departments of acute hospitals.

Metodi didattici

Fundamentals of General Nursing 2

Lectures (8 hours), small group work (4 hours).

History of Medicine

Lectures (12 hours).

Clinical Methodology Nursing

Lectures (24 hours), exercises on clinical cases and group work (12 hours).

Internship

Clinical internship under supervision of a clinical tutor (210 hours).

Modalità di verifica dell'apprendimento

The exam is taken upon completion of the internship and achieving a positive evaluation of the internship provided by clinical tutors on the basis of the expected competencies described in detail in the student internship form.

The theoretical exam consists of a written test and an oral test.

The written test that precedes the oral test, lasting 20 minutes, evaluates the ability of diagnostic reasoning through a short clinical case for which the student will have to formulate three nursing diagnoses with correlations, and the description of a nursing diagnosis.

The oral exam consists of an interview during which 2/3 questions will be asked for each course to assess the student's knowledge and understanding of the contents of the courses.

Criteria for measuring learning and awarding the final grade:

The commission assigns a final mark expressed out of thirty with possible honors in which converge:

1. the mark of the professionalizing internship expressed in 30ths (with a weight of 30% on the final mark)
2. the grade of the oral exam expressed out of 30 (with a weight of 56% on the final grade)
3. the mark of the written test expressed out of 30 (with a weight of 14% of the final mark).

The internship evaluation is expressed out of thirty and formulated by the clinical tutors at the end of the internship period in the evaluation form. This form lists 28 clinical skills and each skill is assigned the following score: 1 = absent, 2 = low, 3 = fair, 4 = good, 5 = excellent. The average score of the 28 listed skills is calculated. In the case of an average of less than 1.9 the internship is not considered passed, in the case of an average of 2-2.8 the score of 18-21/30 will be assigned, 2.9-3.7 the score of 22-25/30, 3.8-4.6 the score of 26-28/30, and 4.7-5 the score of 29-31/30.

In the written exam, a score of 5 is assigned to each correctly formulated nursing diagnosis and 15 for the nursing diagnosis described according to Carpenito, for a maximum of 30 points.

In the oral exam for each course a score of 18-23 / 30 is assigned when the student demonstrates that he has memorized basic knowledge, a score of 24-27 / 30 when he demonstrates an ability to interpret the knowledge learned, and of 28 -31/30 when demonstrating an ability to analyze situations by applying the knowledge learned.

The final grade of the oral exam will be given by the average of the assessments of the 5 courses.

The lack of achievement of a pass mark (less than 18) in one of the courses that make up the integrated course will lead to an exam failure.

Testi di riferimento

Matarese M. Principi di Evidence-based Nursing; manuale per i corsi di laurea in Infermieristica. KDP publishing, 2026.

Carpenito J. Nursing diagnoses. Milane: CEA, 2020. VII ed

Motta P. Introduzione all'assistenza infermieristica, Roma: Carocci, 2004.

Borghi L. Umani. Il fattore umano nella storia delle discipline biomediche, Amazon KDP 2023

Risultati di apprendimento specifici

Knowledge and understanding of the main nursing theoretical models applied in clinical practice. Knowledge and understanding of the main stages of the development of medical thought.

Knowledge and understanding of the contribution of research to the development of Nursing, of the characteristics and purposes of qualitative and quantitative research, the forms of scientific communication, the elements for critically reading an article.

Knowledge and understanding of the methods of transferring research results to clinical practice and the evidence-based practice process.

Knowledge and understanding of the main nursing diagnoses and collaborative problems in the assisted adult population.

Ability to proceed with a global and systematic evaluation of the person assisted in the preventive, curative, rehabilitative and palliative fields, using reference theories and conceptual models, appropriate tools and systems, taking into account the influences of physical, social, cultural, psychological and spiritual factors and environmental.

Ability to use diagnostic reasoning to identify and define the care problems of the people assisted in the preventive, curative, rehabilitative and palliative fields.

Ability to apply knowledge and understanding in the nursing process in care planning for people assisted in the clinical areas of acute care facilities, in collaboration with the patient, families and other health and social workers.

Ability to plan nursing care based on the definition of specific objectives, compliant with quality standards and congruent with the values, beliefs and conditions of the people assisted in the curative, rehabilitative and palliative fields.

Ability to implement planned care interventions by adapting them to the person according to defined guidelines,

protocols and procedures and making use of the cooperation and collaboration of the assisted person, their family members and the inter-professional team.

Ability to monitor and critically evaluate, in a climate of collaboration and communication, the results of assistance also through the evaluation of the quality perceived by the people assisted in the curative, rehabilitative and palliative fields.

Ability to safely administer medications and other therapies and monitor their effectiveness.

Ability to convey information succinctly and accurately to the interdisciplinary care team

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2019)	comune	12	MED/45, MED/45, MED/02, MED/45

Stampa del 30/07/2026

CLINICAL MICROBIOLOGY AND GENERAL AND SYSTEMIC PATHOLOGY [1302108]

Offerta didattica a.a. 2026/2027

Docenti: SILVIA ANGELETTI, ELISABETTA RIVA, EMANUELA SIGNORI, CHIARA TAFFON

Periodo: Secondo Ciclo Semestrale

Obiettivi formativi

The course aims to provide knowledge of the various factors that contribute to health and disease, understood as dynamic processes of balance. It is intended to give students interpretative criteria to identify, interpret, and classify different pathological processes and their diverse clinical manifestations.

Within this framework, the main agents and causes of damage will be discussed, with particular reference to the foundations of bacteriology, virology, parasitology, mycology, and immunology, in order to better understand and contextualize infectious phenomena.

The course also aims to provide an understanding of the functional alterations of the various organs and systems as a whole, their most frequent causes, pathogenic mechanisms, and clinical manifestations.

Students will acquire basic knowledge of the morphological, structural, replicative, and pathogenic characteristics of microorganisms, as well as an understanding of microorganism–host interactions. They will also gain knowledge of the principles of microbiological diagnosis, infectious disease control, and the role of major microorganisms of public health relevance.

Furthermore, students should be able to interpret, starting from disease symptoms and changes in major clinical parameters, the functional alterations and possible etiopathogenetic mechanisms underlying them.

The course will also explain the main pathological patterns underlying neoplastic and non-neoplastic diseases, the correct procedures for preparing biological material, the differences and methodologies of sample collection and examination, as well as the foundations for the subsequent evaluation and interpretation of results.

Prerequisiti

.For a better understanding of the course, basic knowledge of Biology and Biochemistry is considered necessary

Contenuti del corso

General Pathology, Immunology

Concepts of health and disease, organism homeostasis, exogenous and endogenous factors involved in the mechanisms of development and progression of diseases. Basic mechanisms of genetic and congenital diseases: single-gene, chromosomal, and multifactorial disorders. Responses to stress-induced stimuli and toxic substances: adaptation, cell injury, and cell death. Basic mechanisms of the immune response: barriers, innate and adaptive immunity, infectious diseases and vaccination, immune response disorders. Acute and chronic inflammation: classification, systemic manifestations, healing processes.

Oncology: epidemiology and classification of tumors; genetic, epigenetic, and environmental factors contributing to the initiation, progression, and promotion of neoplastic diseases; stem cells and carcinogenesis processes; immunosurveillance; carcinogens and their classification; angiogenesis and tumor microenvironment; invasion and metastasis.

Clinical Microbiology

General concepts of microbiology. The bacterial cell: morphology, replication, pathogenic action, and bacterial virulence factors. The bacterial cell wall. Peptidoglycan. Lipopolysaccharide (LPS). Teichoic acids. Choice of biological samples and principles of microbiological diagnosis. Sterilization and antisepsis. Bacterial exotoxins and endotoxins.

Clinical microbiology of the main microorganisms responsible for infections of the respiratory, nervous, gastrointestinal, and urogenital systems: Staphylococci, Streptococci, Neisseria, Mycobacteria, Clostridia (C. difficile), Enterobacteria (E. coli, Klebsiella pneumoniae, Campylobacter), Salmonella, Legionella, Mycoplasmas, Spirochetes.

Fungi and major mycoses. Parasites and major parasitoses. General features of viruses: structure and replication. Main viral infectious agents.

Pathophysiology

General concepts of pathophysiology. Hydro-electrolytic balance and its alterations. Edema. Vascular and cardiovascular pathophysiology. Respiratory system pathophysiology. Hepatic pathophysiology. Renal pathophysiology.

Pathological Anatomy

General concepts of pathological anatomy. Technical processes in pathological anatomy: cytological and histological specimen workflow. Examination and handling of fresh specimens and intraoperative samples. Packaging of samples, transport, and management of non-conformities. Autopsy diagnostics. Professional responsibility. Management of biological and chemical risk. Reporting, diagnosis, and diagnostic interpretation. Technological innovation (digital pathology).

Metodi didattici

Lectures supported by materials made available on the E-Learning platform (slides, videos, scientific articles, etc.), along with examples and in-class discussion of clinical cases.

Modalità di verifica dell'apprendimento

The evaluation is carried out through a written exam consisting of multiple-choice questions and short open-ended questions. The questionnaire includes 10 questions for each subject area, for a total of 40 questions. Criteria for measuring learning outcomes and awarding the final grade: to pass the exam, students must correctly answer at least 50% of the questions in each subject area, which corresponds to the minimum passing grade (18/30). Each additional correct answer is worth 3 points. The final grade is expressed on a scale of 30.

Testi di riferimento

Lecture slides available on the e-learning platform at the end of each topic.

G.M. Pontieri, Elementi di Patologia Generale, 4th Edition, Piccin, Padua, 2018.

Rubin E., Reisner H.M., Patologia Generale, Rubin – L'Essenziale, Piccin, Padua, 2015.

Quaglino, Cavallo, Forni, Le difese immunitarie, Piccin, Padua, 2010.

V. Del Gobbo, Immunologia per le lauree sanitarie, 4th Edition, Piccin, Padua, 2013.

M. Parola, Patologia generale ed elementi di fisiopatologia, Ed. Esises.

G. Antonelli, M. Clementi, Principi di microbiologia medica, Casa Editrice Ambrosiana.

Risultati di apprendimento specifici

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L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2026)	comune	6	MEDS-02/A, MEDS-02/B, MEDS-03/A, MEDS-04/A

Stampa del 30/07/2026

Human Science I [1302106]

Offerta didattica a.a. 2026/2027

Docenti: LAURA LEONDINA CAMPANOZZI, ANDREA ANGELUCCI, PAOLO PELLEGRINO

Periodo: Primo Ciclo Semestrale

Obiettivi formativi

The course aims to introduce students to the gradual development of socio-cultural, communicative and interpersonal skills and knowledge, based on a broad anthropological, psychological and historical reflection. The course involves an in-depth study of anthropological, psychological and historical issues that are fundamental to a global approach to nursing care.

Prerequisiti

None

Contenuti del corso

Anthropology:

1. Investigation and specific object of anthropology: man as a person.
2. Man as a complex and finite being
3. The hermeneutic-anthropological circle: the order of the intellect (and truth), of the will and sensitivity
4. Body and corporeality
5. The relational nature of the person

General psychology:

1. Brief description of different psychological approaches.
2. Motivation: its importance; process and content theories.
3. Relational dynamics: empathy and communication as essential elements for positive and effective treatment/care of patients and their families.
4. Phenomenology of emotional states: recognising and managing physiological emotions (one's own, those of patients and family members), as an essential step towards a healthy and balanced relationship with patients and one's profession.
5. Emotional intelligence
6. Elements of personality (structure and characteristics): some essential traits of personality styles and how they manifest themselves in relationships, particularly in caregiving/care relationships.

History of nursing:

1. The importance of studying the history of nursing and the first evidence of nursing (prehistory, Egypt, Mesopotamia)
2. Hippocrates and the Greeks
3. The Roman era
4. The arrival of Christianity and the Middle Ages
5. The sixteenth century and the saintly precursors
6. From the sixteenth to the nineteenth century
7. Florence Nightingale - Part I
8. Florence Nightingale - Part II
9. Italy between the nineteenth and twentieth centuries
10. The twentieth century and developments to the present day
11. Bad examples of nursing practice in history to understand what not to do

Metodi didattici

History of nursing: Lectures, reading of original historical sources, viewing and discussion of a documentary on Florence Nightingale (12 hours).

Anthropology: lectures, guided discussions of cases and videos related to the course content, with the aid of interactive platforms (Wooclap) and group work (12 hours).

General psychology: Lectures with classroom discussion (12 hours). Interactive teaching methods will also be used. During the course, students will be allowed to take learning assessment tests.

Modalità di verifica dell'apprendimento

The exam consists of an oral interview aimed at assessing whether students have acquired the socio-cultural, communicative and interpersonal skills based on a broad anthropological, psychological and historical reflection. Questions will be asked on psychology, anthropology and the history of nursing to verify both mastery of the main content and the ability to analyse it critically in light of the learning outcomes indicated. The total duration of the oral exams will be approximately 30 minutes.

Criteria for measuring learning and awarding the final mark

The assessment of learning involves the awarding of a final mark out of 30 for each of the subjects of the integrated course. The average of the results obtained will determine the final mark.

Testi di riferimento

Anthropology

- Alcuni capitoli di: A. Petagine, Profili dell'umano. Lineamenti di antropologia filosofica, Franco Angeli, Milano, 2021
- Alcuni capitoli di: M.T.Russo, Corpo, salute, cura. Linee di antropologia biomedica. Rubettino, Catanzaro, 2004.

General psychology

P. Pellegrino, M. Gilio, Prendersi cura. Elementi di psicologia per le professioni sanitarie, Amazon KDP 2024

History of nursing

- E. Manzoni, M. Lusignani, B. Mazzoleni, Storia e filosofia dell'assistenza infermieristica, Casa editrice Ambrosiana, Rozzano 2019, pp. 344 (le prime 168 pagine).
- L.Borghi, La penna di Florence Nightingale, Angelo Pontecorboli editore Firenze, 2020.

Risultati di apprendimento specifici

- Knowledge of the complexity of the person from an anthropological-philosophical perspective, with particular regard to the hermeneutics of corporeality and the experience of limits (pain and death).
- Ability to think critically and complexly to enhance a holistic view of the person and their significance in the world of life
- Enhancement of self-learning skills in the care relationship, starting from reflexivity in action
- Knowledge and understanding of emotional states and their implications in relationships, especially in care relationships, to highlight some notions about the impact of personality in relational dynamics
- Knowledge and understanding of the importance of the "human factor" in the history of medicine and nursing
- Ability to apply knowledge of historical events to the analysis of the present, especially in aspects relating to interprofessional collaboration between nurses and doctors
- Ability to manage relationships with patients and their families, starting from some basic notions of psychology, in particular those on which relational dynamics are based

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2026)	comune	4	MEDS-02/C, SDEA-01/A, PSIC-01/A

Stampa del 30/07/2026

Human Sciences II [1302203]

Offerta didattica a.a. 2026/2027

Docenti: PAOLO PELLEGRINO, MADDALENA PENNACCHINI, LAURA LEONDINA CAMPANOZZI

Periodo: Primo Ciclo Semestrale

Obiettivi formativi

The Integrated Course is designed to provide students with a comprehensive and multidisciplinary understanding of the anthropological, pedagogical, bioethical, and psychological dimensions of professional practice. It aims to foster a unified perspective on care by emphasizing the centrality of the person in the healthcare relationship. Particular attention is given to the concepts of freedom and moral responsibility, the ethical value of well-executed work, and the formative dimension of caregiving.

Through an interdisciplinary methodology, the course seeks to develop students' ability to critically examine the ethical and deontological foundations of care, to uphold the dignity and rights of individuals, and to competently address the emotional and relational dynamics associated with illness, suffering, and bereavement. Furthermore, the course promotes teamwork and cooperative practices, supporting respectful collaboration and conflict prevention within healthcare settings, with a view to enhancing both individual and collective well-being. Elements of Human Flourishing will be presented within the Course.

Prerequisiti

Human Sciences I

Contenuti del corso

Anthropology

Some of the contents of the course will refer to Human Flourishing as a multidimensional framework of the human well-being. Particular attention will be paid to significant social relationships and to the relevance of the human work for the common good. Specifically, these topics will be covered:

- Ethics as a continuation of anthropology: the capacity for ethical behaviour, freedom and responsibility.
- Why ethics in medicine: the dilemma and the elements of moral judgement
- Conscience and pseudo-conscience
- The ethics of a job well done and virtues in professional practice

Medical Pedagogy

- Care as an educational and formative category
- Pedagogy in health and illness: developing patient empowerment
- Educational models and interventions

Introduction to Bioethics

- Introduction to Bioethics: historical, epistemological and foundational aspects
- The main schools of bioethics
- The principles of professional ethics
- Human dignity and its sources: vulnerability and recognition

Clinical Psychology in Nursing

- Neuropsychological activation and performance; problematic activation states (anxiety, panic attacks, generalized anxiety)
- Emotional dysregulation: emotional blocks and hijacking
- Managing emotional states: defense mechanisms and coping strategies
- Addictive behaviors
- Grief and loss processing
- Psychological impact of illness
- Trauma, stress, and burnout
- Multiprofessional and interdisciplinary teamwork: cooperation vs. conflict

Metodi didattici

The course employs a blended teaching approach, including lectures, interactive discussions, analysis of clinical cases, video materials, group work, and the use of digital platforms such as Wooclap to enhance student engagement.

- Clinical Psychology (24 hours – 2 ECTS): Lectures and in-class discussion of clinical scenarios, including

video-based case analysis and interactive methodologies.

- Introduction to Bioethics (10 hours – 1 ECTS): Lectures, guided discussions, video materials, and group activities.
 - Anthropology (10 hours – 1 ECTS): Lectures and case-based learning supported by video and interactive tools.
 - Medical Pedagogy (12 hours – 1 ECTS): Lectures, case discussions, video analysis, and group-based activities.
- Throughout the semester, active student participation is encouraged through dialogical interaction, fostering an open and stimulating academic environment.

Modalità di verifica dell'apprendimento

The final examination consists of an oral assessment aimed at evaluating the student's comprehension of the contents related to Clinical Psychology, Anthropology, Bioethics, and Pedagogy, as addressed during the course.

Evaluation Criteria

Students will be asked three questions per subject, covering different topics, including one chosen by the student. The examination board will assign a single final grade (on a scale of 30, with honors where applicable), calculated as the average of the partial evaluations. Particular emphasis will be placed on clarity of exposition, critical reasoning, and the ability to autonomously synthesize and apply knowledge.

Testi di riferimento

Anthropology

- Selected chapters from: Premoli-De Marchi P. Introduzione all'etica medica. Accademia University Press, Turin, 2012.
- Selected chapters from: Russo F. Antropologia filosofica. Persona, libertà, relazionalità. EDUSC, Rome, 2021.

Medical Pedagogy

- P. Binetti, Persona, Paziente, Cliente. Il mondo del malato in un mondo che cambia, SEU, Rome, 2000
- Jean-François D'Ivernois, Rémi Gagnayre, Educare il paziente, un approccio pedagogico, McGraw-Hill Education, 2009

Introduction to Bioethics

- Selected chapters from: Sgreccia E., Spagnolo G., Di Pietro M.L. Bioetica. Manuale per i diplomi universitari della sanità, Vita e Pensiero, Milan, 1999
- Pessina A., "Dignità e indegnità dell'uomo: il tempo della malattia", in Sanna I. (ed.), Dignità Umane e dibattito bioetico, Edizioni Studiorum, Rome, 2009, pp. 109–124

Clinical Psychology in Nursing

- P. Pellegrino, M. Gilio, Prendersi cura. Elementi di psicologia per le professioni sanitarie, Amazon KDP

Risultati di apprendimento specifici

Upon completion of the course, students are expected to:

- Demonstrate knowledge and understanding of the ethical and professional standards in healthcare, the history of medicine and healthcare systems, and the interplay between health and society
- Acquire critical awareness of key epistemological, ontological, and ethical issues addressed by contemporary thinkers
- Analyze major issues in general bioethics and apply bioethical principles to specific clinical cases
- Manage complex patient-care relationships, particularly regarding communication of diagnoses, prognoses, and therapeutic decisions, and support patients and their families when facing difficult or distressing news
- Understand and apply strategies for managing emotionally challenging situations, including those that arise in professional relationships with patients, families, and healthcare teams

L'attività didattica è offerta in:

Faculty of Medicine, Surgery and Dentistry

Tipo corso	Corso di studio (Ordinamento)	Percorso	Crediti	S.S.D.
Bachelor or equivalent first cycle	Laurea in Nursing (official title: Laurea in Infermieristica) (2019)	comune	5	M-DEA/01, M-PSI/08, MED/02, MED/43

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