



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Promozione della Salute, Materno-Infantile, di Medicina Interna e Specialistica di Eccellenza "G. D'Alessandro"		
ACADEMIC YEAR	2022/2023		
BACHELOR'S DEGREE (BSC)	NURSING		
INTEGRATED COURSE	SURGICAL SCIENCE - INTEGRATED COURSE		
CODE	20313		
MODULES	Yes		
NUMBER OF MODULES	2		
SCIENTIFIC SECTOR(S)	MED/18, MED/24		
HEAD PROFESSOR(S)	PAVONE CARLO	Professore Associato	Univ. di PALERMO
OTHER PROFESSOR(S)	PAVONE CARLO	Professore Associato	Univ. di PALERMO
	BUSCEMI SALVATORE	Ricercatore a tempo determinato	Univ. di PALERMO
CREDITS	6		
PROPAEDEUTICAL SUBJECTS	20330 - PHYSIOLOGY		
MUTUALIZATION			
YEAR	2		
TERM (SEMESTER)	2° semester		
ATTENDANCE	Mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	BUSCEMI SALVATORE Monday 12:00 13:00 Stanza del Docente PAVONE CARLO Monday 09:00 11:00 previo appuntamento 0916554532; carlo.pavone@unipa.it): Lunedì ore 9.00-11.00 Presso Clinica Urologica		

PREREQUISITES	<p>Basic knowledge of Anatomy, Physiology and Pathology of the urinary system and the male reproductive system and general surgery</p> <p>Versione inglese</p> <p>The student must have specific skills in the field of nursing in surgery, with particular interest in the diagnosis and integrated treatment of surgical pathologies of the most frequent observation, demonstrating to have basic knowledge of anatomy, diagnostic aids, and assistance models, of the surgical instrumentation and of the correct planning of the nursing assistance of the main pathologies of surgical interest, in election and in urgency, during the various phases of illness, as well as precise information on the results obtained today in the research, with particular reference to the diagnostic and therapeutic aspects.</p>
LEARNING OUTCOMES	<p>Knowledge and understanding</p> <ul style="list-style-type: none"> - Know the epidemiology, health economics and the basics of health management in the surgical-urological field. - Know and be able to implement the main pharmacological, surgical, psychological, social and other interventions, in acute and chronic illness, in rehabilitation and in terminal type care. - Students must have acquired the ability to know how to interpret the anomalies of the urinary system that are found in different diseases. They must know the etiology and natural history of acute and chronic diseases. <p>Urological field: Urogenital apparatus malformations; Kidney tumors, urinary tract, bladder and prostate; Urinary calculations; BPH. Physical and instrumental semeiotics of renal and urogenital diseases; Urinary infections and obstructive syndrome; Vesicoureteral reflux. General elements of oncology of the urogenital system and integrated therapies; Testicular tumors. Surgical Andrology; Male sexual disorders including erectile dysfunction and infertility. Neurophysiology of urination; Neurological bladder; Urinary incontinence and principles of rehabilitation therapy. Learning of in-depth knowledge of Anatomy, Physiopathology, of functional and instrumental semeiotics and of the clinic of the urinary and male genital apparatus. The acquisition of adequate computer skills and statistics useful both for an organic management of a department and for a correct epidemiological classification of the various pathologies and for a correct management of the follow-up. The acquisition of a practical experience necessary for the clinical evaluation of a patient defining the typology based on the knowledge of clinical pathology, pathological anatomy, physiology and clinical methodology. Knowledge of the medical-legal aspects related to one's profession and the laws and regulations that govern health care. Such knowledge will be acquired through lectures on frontal teaching and integrated during the professionalizing activity and verified through oral exams and discussion of clinical cases.</p> <p>Surgical field: the anatomical bases of modern surgery; assistance models for surgical patients; the main diagnostic tools for diagnosis, staging and prognosis of surgical pathologies; the scientific bases underlying the correct planning of nursing care of the main pathologies of surgical interest, in election and in urgency, during the various phases of illness.</p> <p>Ability to apply knowledge and understanding</p> <ul style="list-style-type: none"> - Knowing how to correctly execute a proper clinical history, which also includes social aspects, such as occupational health. - Being able to carry out an examination of the physical and mental state. Being able to analyze and interpret the results of basic diagnostic and technical procedures in order to correctly define the nature of a problem. - Be able to correctly perform the appropriate diagnostic strategies, in order to safeguard life and be able to apply the principles of evidence-based medicine to suggest appropriate surgical therapies. - Knowing how to exercise the correct clinical judgment to establish the diagnoses and therapies in the individual patient. - Students must be able to correctly manage the most common urological, gynecological and obstetric emergencies. - They must be able to perform basic diagnostic and technical procedures. - They must demonstrate an understanding of the mechanisms underlying the effectiveness and quality of care. - Know the appropriate use of human resources, diagnostic interventions, therapeutic modalities and technologies dedicated to health care. - They must know how to advise patients taking into consideration physical, mental, social and cultural factors. <p>Students will need to know the roles and responsibilities of the other health personnel in providing care.</p> <ul style="list-style-type: none"> - which are the main surgical therapies - what are the limits and potentialities of the treatments available today for the diagnosis and treatment of the main pathologies of surgical interest; - how to set up a nursing care plan in front of a patient with a suspected surgical pathology; - Be able to recognize surgical, endoscopic, and suture materials; - be able to evaluate the use of traditional and alternative surgical techniques

	<p>and methods.</p> <p>This knowledge will be acquired through lectures on frontal teaching and will be verified through oral exams and discussion of clinical cases.</p> <p>Communication skills</p> <ul style="list-style-type: none"> - Listen carefully to understand and summarize the relevant information on all the issues, understanding their contents. - Implement communication skills to facilitate understanding with patients and their relatives, making them able to make decisions as equal partners. - Demonstrate good sensitivity to cultural and personal factors that improve interactions with patients and the community. - Interact with other professional figures involved in the care of patients through efficient group work - Finally, he must demonstrate that he has developed the ability to communicate and relate to colleagues, other health professionals, patients and patients' relatives. <p>Learning skills</p> <ul style="list-style-type: none"> - Ability to update by consulting the scientific publications specific to the subject in question. Ability to participate, using the knowledge acquired during the course, in continuous updating initiatives in the professional field <p>The student must possess specific skills in the field of surgical oncology, with particular interest in the diagnosis and integrated treatment of neoplasms of more frequent observation</p> <ul style="list-style-type: none"> - Acquisition of knowledge to enable continuous training in the field of surgical pathologies <p>Testi consigliati:</p> <p>Trattato di chirurgia adrlologica e ANDROLOGIA. C.Pavone e R.Iacona. Terza edizione. Arcane editrice, Roma</p> <p>The nurse practitioner in urology. Laziness, Quallich. Springer</p> <p>Core curriculum for Urologic Nursing. 1st Ed. Suna</p>
ASSESSMENT METHODS	<p>Oral examination and discussion of clinical cases: 2/3 questions to answer. The student will have to demonstrate the knowledge of the proposed subjects by carrying out a careful examination that allows him to adequately connect the medical history collection and the physical examination to a correct diagnosis and subsequent treatment hypothesis, demonstrating also the understanding of the mechanisms underlying the effectiveness and quality of care, as well as the ability to evaluate the possible use of both traditional and alternative surgical techniques and methods.</p> <p>EXCELLENT (30-30 cum laude) Excellent knowledge of teaching content; the student shows high skills analytical-synthetic and is able to apply the knowledge to solve problems of high complexity.</p> <p>EXCELLENT (27-29) Excellent knowledge of teaching content and excellent language ownership; the student demonstrates analytical-synthetic ability and able to apply the knowledge to solve problems of average complexity and, in some cases, even high.</p> <p>GOOD (24-26) Good knowledge of teaching contents and good language properties; the student is able to apply knowledge to solve problems of medium complexity.</p> <p>DISCREET (21-23) Fair knowledge of the contents of the course, in some cases limited to the main subjects; acceptable ability to use the specific language of the discipline and to apply the knowledge independently acquired.</p> <p>SUFFICIENT (18-20) Minimum knowledge of teaching contents, often limited to the main subjects; modest ability to use the specific language of the discipline and to apply the acquired knowledge autonomously</p> <p>INSUFFICIENT (rejected, unsuitable) Does not possess an acceptable knowledge of the main contents of the course; very little or no ability to use the specific language of the discipline and to apply knowledge independently acquired.</p>
TEACHING METHODS	FRONTAL LESSONS

MODULE UROLOGY

Prof. CARLO PAVONE

SUGGESTED BIBLIOGRAPHY

Trattato di Chirurgia Andrologica e Andrologia C. Pavone e R. Iacona, terza edizione ARACNE editrice Roma
The nurse practitioner in urology. Lajiness, Quallich. Springer.
Core Curriculum for Urologic Nursing. 1st Ed. SUNA.

AMBIT	10727-Attività formative affini o integrative
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

Defining an urological medical record, carry out the physical examination (with particular emphasis on performing a rectal exploration and the evaluation of external genitalia) and plan the diagnostic, therapeutic and possibly operative strategy. Based on the knowledge of the principles of asepsis, knowing how to evaluate the problems concerning the organization and environmental hygiene of operating rooms. Being able to recognize surgical, endoscopic, and suture materials used in urology; be able to evaluate the use of traditional and alternative surgical techniques and methods.

SYLLABUS

Hrs	Frontal teaching
2	Functional and instrumental semeiotics of the genito-urinary apparatus. Neurophysiology of urination, concept of urinary continence / incontinence.
2	Physical and instrumental semeiotics of kidney disease and urogenital apparatus. Diagnosis and treatment of diseases and malformations of the kidneys, urethra, bladder and male genital apparatus.
4	Urogenital Malformations. Urinary tract infections; vesicoureteral reflux. Infections and swelling of the urinary tract in the woman. Hematuria. Urinary retention and anuria, obstructive syndrome.
2	Unrinary Stones; Neurological Bladder.
2	BPH; prostatitis.
2	Oncology of the urogenital apparatus, integrated therapies.
2	Bladder tumors. Prostate cancer. Testicular tumors. Penis tumors.
2	Urogenital Emergencies: Penis Traumas; torsion of the testicle.
2	Induratio Penis Plastica; Recurvatum. Penile prosthesis.
2	Andrology. Surgical Andrology. Male sexual dysfunction. Infertility. Dismorphophobias.
2	Anatomy and physiology of erectile dysfunction. Diagnosis and therapy of erectile dysfunction.
4	Diagnostics in Urology. Interventional Radiology in Urology. Surgical and endoscopic urological instruments. Catheters and catheterization techniques. Traditional and alternative surgical techniques and methods
2	Objective clinical examination. identifying the therapeutic and / or operational strategy according to the risks and outcomes for each patient. Quality of life assessment.

MODULE GENERAL SURGERY

Prof. SALVATORE BUSCEMI

SUGGESTED BIBLIOGRAPHY

- Multimedial resources and meterial provided by course
- Townsend, Beauchamp, Evers, Mattox. Sabiston Textbook of Surgery, The Biological Basis of Modern Surgical Practice, 20th Edition. Elsevier.
- Thomas, Reed, Wyatt. Oxford Textbook of Fundamentals of Surgery. Oxford Press

AMBIT	10311-Scienze medico - chirurgiche
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

The student must have specific skills in the field of nursing in surgery, with particular interest in the diagnosis and integrated treatment of surgical pathologies of the most frequent observation, demonstrating to have basic knowledge of anatomy, diagnostic aids, and assistance models, of the surgical instrumentation and of the correct planning of the nursing assistance of the main pathologies of surgical interest, in election and in urgency, during the various phases of illness, as well as precise information on the results obtained today in the research, with particular reference to the diagnostic and therapeutic aspects.

SYLLABUS

Hrs	Frontal teaching
4	The role of the nurse in surgery
2	Basic surgical instruments
4	Surgical sutures and mechanic staplers
2	Drainages and advanced surgical dressing
2	Digestive bleeding
4	Emergency in general surgery
2	Pre- & post-operative nursing in general and thoracic surgery
4	Basis of laparoscopic surgery
4	Gallstones disease and its complications
2	Acute abdomen