



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Biomedicina, Neuroscienze e Diagnostica avanzata		
ACADEMIC YEAR	2017/2018		
MASTER'S DEGREE (MSC)	MEDICINE AND SURGERY		
INTEGRATED COURSE	SYSTEMATIC PATHOLOGY II - INTEGRATED COURSE		
CODE	13248		
MODULES	Yes		
NUMBER OF MODULES	2		
SCIENTIFIC SECTOR(S)	MED/17, MED/35		
HEAD PROFESSOR(S)	BONGIORNO MARIA	Professore Ordinario	Univ. di PALERMO
	RITA		
	CAPUTO VALENTINA	Ricercatore	Univ. di PALERMO
	COLOMBA CLAUDIA	Professore Ordinario	Univ. di PALERMO
OTHER PROFESSOR(S)	BONGIORNO MARIA	Professore Ordinario	Univ. di PALERMO
	RITA		
	CAPUTO VALENTINA	Ricercatore	Univ. di PALERMO
	COLOMBA CLAUDIA	Professore Ordinario	Univ. di PALERMO
	PISTONE GIUSEPPE	Professore Associato	Univ. di PALERMO
	DI CARLO PAOLA	Professore Associato	Univ. di PALERMO
	CASCIO ANTONIO	Professore Ordinario	Univ. di PALERMO
CREDITS	6		
PROPAEDEUTICAL SUBJECTS	17453 - PATHOPHYSIOLOGY AND MEDICAL METHODOLOGY - INTEGRATED COURSE		
MUTUALIZATION			
YEAR	3		
TERM (SEMESTER)	2° semester		
ATTENDANCE	Mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	<p>BONGIORNO MARIA RITA Monday 10:00 11:00 UOC di dermatologia</p> <p>CAPUTO VALENTINA Tuesday 11:00 13:00 Clinica Dermatologica Via del Vespro 131 Palermo Thursday 11:00 13:00 Clinica Dermatologica Via del Vespro 131 Palermo</p> <p>CASCIO ANTONIO Tuesday 13:00 14:00 Studio presso UOC di Malattie Infettive - AOU Policlinico "P. Giaccone" Thursday 13:00 14:00 Studio presso UOC di Malattie Infettive - AOU Policlinico "P. Giaccone"</p> <p>COLOMBA CLAUDIA Monday 09:00 11:00 UOC Malattie infettive</p> <p>DI CARLO PAOLA Tuesday 12:30 14:30 Day Hospital di Malattie Infettive, sito dietro aula Ascoli Thursday 9:00 12:00 U.O.C. di Malattie infettive</p> <p>PISTONE GIUSEPPE Monday 13:00 14:00 UOC di Dermatologia e MTS</p>		

DOCENTE: Prof.ssa MARIA RITA BONGIORNO- Sede *CHIRONE*

PREREQUISITES	The student must be able to use their knowledge of anatomy, biology, physiology and cutaneous immunology to understand the genesis and the functional and morphologic changes of the main infectious, inflammatory and autoimmune dermatologic conditions. The student must learn the pathogenesis, physiopathology, the clinical signs and the fundamental basics of therapy of the most common skin diseases and must be able to perform a correct clinical examination.
LEARNING OUTCOMES	EXPECTED LEARNING GOALS Knowledge and capacity of comprehension Students are expected to demonstrate 1) knowledge of anatomy and physiology of the skin in healthy and pathological conditions; 2) knowledge of basic physiological and pathological immunologic mechanisms and the relationship between microorganisms and human immunologic system;3) knowledge of the principal dermatological and infectious diseases and their nosographic, etiopathogenetic, physiopathologic, and clinical aspects; 4) ability to critically elucidate the underlying mechanism of symptoms and understand their clinical relevance; 5) ability to demonstrate clinical thinking which includes application of knowledge and judgment to various infective and dermatologic clinical scenarios ; 6) ability to know how to chose appropriate laboratory techniques and interpret their results. Autonomy in clinical judgment. Students are expected 1) to consider specialistic clinical conditions in the context of a comprehensive vision of human well-being, and to integrate preventive, diagnostic, and therapeutic strategies; 2) to demonstrate ability to approach dermato-venerologic and infective diseases based on scientific evidence and diagnostic-therapeutic adequacy; 3) to interpret monitoring systems of infectious diseases in dealing with out break in hospital settings as well as in the community. Communicative skills. Students are expected to communicate clearly and humanely with patients and their relatives, providing empathy and respect, during the preventive, diagnostic, and therapeutic phases of clinical care. Importantly, students are expected to demonstrate ability to use lay language when appropriate. Learnings skills. Students are expected to demonstrate ability to learn topics presented in the course, and to use online and offline resources to perform a bibliographic research. Students are expected to gain a basic understanding of critically appraising the literature.
ASSESSMENT METHODS	Oral test
TEACHING METHODS	Theoretical courses Clinical clerkship -Operative Units of Dermatology and Infectious Diseases, AOUP

**MODULE
INFECTIOUS DISEASES**

Prof. ANTONIO CASCIO - Sede CHIRONE, - Sede CHIRONE

SUGGESTED BIBLIOGRAPHY

Malattie infettive di: Roberto Esposito, Mauro Moroni, Spinello Antinori Editore: Edra Masson Edizione: 8

AMBIT	50408-Medicina di comunità
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INDIVIDUAL STUDY (Hrs)	45
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COURSE ACTIVITY (Hrs)	30
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EDUCATIONAL OBJECTIVES OF THE MODULE

To acquire knowledge on the clinical and diagnostic features of infectious diseases in the immunocompetent and immunocompromised patient

SYLLABUS

Hrs	Frontal teaching
2	General information on infectious diseases epidemiology, clinical and laboratory diagnosis
3	sepsis and septic shock, endocarditis
2	infections), etiology of upper and lower respiratory tract infections, Viral and Bacterial Pneumonia, bacterial exacerbations of chronic bronchitis;
2	Gastrointestinal infections
2	The genitourinary tract infections: Infections of the upper and lower urinary tract; syndromic approach and epidemiological the major sexually transmitted infections
3	AIDS, infectious mononucleosis
2	Infections of the central nervous system: meningitis, encephalitis, brain abscess; meningococcal disease
4	Brucellosis, leptospirosis, typhoid fever, tick borne diseases
2	The osteo-articular infections: Osteomyelitis, septic arthritis
2	malaria, tuberculosis
4	Acute and chronic viral hepatitis; Parasitic diseases; Nosocomial infections
2	Principles of anti-infective therapy; Isolation measures for infected patients

**MODULE
CUTANEOUS AND VENEREAL DISEASES**

Prof. GIUSEPPE PISTONE - Sede IPPOCRATE, - Sede IPPOCRATE

SUGGESTED BIBLIOGRAPHY

Amerio PL, Bernengo MG, Calmieri S, etc. Dermatologia e Venereologia Edizioni Minerva Medica

AMBIT	50419-Clinica delle specialità medico-chirurgiche
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INDIVIDUAL STUDY (Hrs)	45
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COURSE ACTIVITY (Hrs)	30
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EDUCATIONAL OBJECTIVES OF THE MODULE

The student must be able to use their knowledge of anatomy, biology, physiology and cutaneous immunology to understand the genesis and the functional and morphologic changes of the main infectious, inflammatory and autoimmune dermatologic conditions. The student must learn the pathogenesis, physiopathology, the clinical signs and the fundamental basics of therapy of the most common skin diseases and must be able to perform a correct clinical examination.

SYLLABUS

Hrs	Frontal teaching
2	The function and structure of the skin – Diagnosis of skin disorders – Cutaneous immunology
2	Urticaria
2	Genodermatoses (Ehlers- Danlos syndrome, Urbach-Wiethe syndrome, Anderson-Fabry syndrome, Tuberous Sclerosis, Neurofibromatosis)
2	Disorders of keratinization (Psoriasis, Ichthyosis, Exfoliative dermatitis)
2	Dermatitis and Eczema (Allergic contact eczema, Irritant contact eczema, Atopic eczema)
2	Bullous diseases (Pemphigus, Pemphigoid, Epidermolysis Bullosa, Dermatitis Herpetiformis)
2	Sexually transmitted diseases (Gonorrhoea, Syphilis, Chlamydia infections)
1	AIDS and skin
2	Diseases caused by viruses (Herpesvirus, Papillomavirus; Poxvirus; Coxsackievirus)
2	Dermatomycoses
2	Diseases caused by bacteria
1	Diseases caused by protozoa (Leishmaniasis)
1	Epizoonoses (Pediculosis, Scabies)
2	Drug eruption (Scarlatiniform, Morbilliform or Rubeoliform drug eruption, Erythema multiforme, Stevens-Johnson syndrome, Lyell's syndrome)
2	Diseases of connective tissue (Scleroderma, Lupus Erythematosus, Dermatomyositis)
1	Skin reactions to light
2	Malignant Epithelial Tumors Benign Melanocytic Tumors Malignant Melanoma Kaposi's Sarcoma

**MODULE
INFECTIOUS DISEASES**

Prof.ssa CLAUDIA COLOMBA - Sede IPPOCRATE, - Sede IPPOCRATE

SUGGESTED BIBLIOGRAPHY

Capitolo di Malattie Infettive in Harrison. Principi di Medicina Interna, McGraw Hill, MORONI e Coll. MALATTIE INFETTIVE Ed.Masson – 7° Ed

AMBIT	50408-Medicina di comunità
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INDIVIDUAL STUDY (Hrs)	45
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COURSE ACTIVITY (Hrs)	30
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EDUCATIONAL OBJECTIVES OF THE MODULE

Objective of the module is the description of the epidemiology , etiology , pathogenesis, symptoms and prognosis of infectious diseases more' frequently observed in clinical practice . The course is completed by the description of some of the more common running laboratory diagnostic techniques in practice current infectious disease and by the basis of anti - infective therapy.

SYLLABUS

Hrs	Frontal teaching
3	HIV infection and opportunistic infection
3	viral hepatitis
3	Infections of the upper and lower respiratory tract. Pneumonia
3	tuberculosis . Natural History and diagnostic approach
4	Meningitis and meningococcal disease
6	The anthrozooses : Leishmaniasis , Rickettsioses , Brucellosis , Toxoplasmosis , Echinococcosis
4	exanthematous diseases : measles, rubella , chickenpox , scarlet fever
2	By importing diseases . Malaria
1	sepsis
1	enteritis.typhus

MODULE INFECTIOUS DISEASES

Prof.ssa PAOLA DI CARLO - Sede HYPATIA, - Sede HYPATIA

SUGGESTED BIBLIOGRAPHY

PRACTICAL WORK

Clinical cases

RECOMMENDED READING The lecturer will provide all the course material through the unipa website, Mauro Moroni, Manual of INFECTIOUS DISEASES, latest edition.

AMBIT	50408-Medicina di comunità
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

INTENDED LEARNING OUTCOMES

Knowledge and understanding

At the end of the course, students should demonstrate that they have a sound knowledge of the anatomy and physiology of the skin to keep the skin in a healthy state, and a good understanding of pathological changes; that they know the fundamental biological and pathological defence mechanisms of the immune system; that they have knowledge of dermatological pathologies from a nosographic, etiopathogenic, physiopathological and clinical perspective, in a unitary and global vision of human pathology; that they are able to critically evaluate and correlate clinical symptoms and physical signs, interpreting the mechanisms that produce them and analysing their clinical significance.

Students should demonstrate knowledge of the dynamic relationship between microorganism and host during interaction between pathogen and the human organism, and of relevant defence mechanisms; moreover, they should have a sound knowledge of symptoms and clinical signs of both systemic and localized infectious disease, through careful evaluation of the continuous interaction between infectious agent and immune system, which is determined by the pathogenic characteristics of the individual microorganisms, taking into consideration epidemiological changes and infectious disease emergencies over the last few decades.

Ability to apply knowledge and understanding

At the end of the course, students should demonstrate clinical reasoning skills that enable them to analyse and resolve the most common and relevant clinical problems in the fields of dermatology and infectious diseases, in the light of diagnostic developments that consider and unite the sectors of molecular diagnostics and morphological characterization; they should have sound knowledge of the main and most recent laboratory diagnostic methods, and have the ability to propose the correct laboratory diagnostic procedure and evaluate costs and benefits, as well as be able to rationally interpret laboratory results.

Autonomy of judgement

Students should be able to independently adopt the appropriate clinical and laboratory method for good clinical-therapeutic management. They should know how to correctly interpret infectious disease surveillance and monitoring systems both in a hospital and in the community in order to manage outbreaks. Finally, they should have acquired knowledge of counselling delivery procedures in infectious diseases.

Communication skills

Students should know how to clearly communicate their conclusions and relevant knowledge to specialists and non-specialists.

ECTS grade/Italian Grade/Grade descriptors

A – A+ Excellent 30-30 cum laude Eccellente/Excellent knowledge of teaching contents; students should show high analytical and synthetic capabilities and should be able to apply their knowledge to solve highly complex problems.

B Very good 27-29, Very good knowledge of the teaching contents and excellent language control; students should show analytical and synthetic skills and be able to apply their knowledge to solve problems of medium and, in some cases, even higher complexity.

C Good 24- 26, Buono/Good knowledge of teaching contents and good language control; the students should be able to apply their knowledge to solve problems of medium complexity

D Satisfactory 21-23 Average knowledge of the teaching contents, in some cases limited to the main topic; acceptable ability to use the specific discipline language and independently apply the acquired knowledge.

E Sufficient 18-20 Sufficiente/Minimum teaching content knowledge, often limited to the main topic; modest ability to use the subject specific language and independently apply the acquired knowledge.

F Fail/Insufficient/Lack of an acceptable knowledge of the main teaching content knowledge; very little or no ability to use the specific subject language and apply independently the acquired knowledge.

SYLLABUS

Hrs	Frontal teaching
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LECTURES HOURS – OBJECTIVES AND SYLLABUS

2. Know how to contextualise the natural history of HIV infection, changes in risk factors and epidemiological trend, diagnostic instruments, clinical presentations (including the main opportunistic infections), therapeutic and preventive interventions.

2. Know the clinical presentation of acute viral hepatitis, its evolution and diagnostic process in the context of the multidisciplinary management of immunocompetent and immunocompromised patients.

3. Know the general concepts of epidemiology, etiology and pathogenesis, acute respiratory infections, different clinical presentations, and therapeutic approach with particular reference to community- and hospital-acquired pneumonia in a multidisciplinary management context.

3. Nosographically contextualise the different locations of tubercular infection. 2. Know its natural history and diagnostic, therapeutic and preventive approach.

2. Know the nosographic, clinical and diagnostic characteristics of meningitis, meningococcal disease, sepsis and septic shock in a multidisciplinary management context.

2. Know the epidemiology, clinical-therapeutic approach and diagnosis of leishmaniasis, toxoplasmosis, rickettsiosis, brucellosis and echinococcosis.

Know etiological agents, clinical presentations and diagnostic methods for infectious mononucleosis syndromes.

3. Know how to contextualise regional epidemiology, pathogenic mechanisms, diagnostic approach and clinical presentations of bacterial, viral, protozoan and helminth intestinal infections.

3. Nosographically contextualise different types of exanthem, with particular reference to measles, rubella, varicella-zoster and scarlet fever.

2. Know the epidemiology of the main etiologic agents of imported infectious diseases, clinical laboratory diagnostics and prophylactic interventions.

3. Know the epidemiology, nosographic picture, diagnostic process and therapeutic problems regarding FUO and hospital infections.

2. Know the epidemiological, clinical and diagnostic characteristics of infective endocarditis in a multidisciplinary context.