



# UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Medicina di Precisione in area Medica, Chirurgica e Critica		
ACADEMIC YEAR	2022/2023		
MASTER'S DEGREE (MSC)	DENTISTRY		
INTEGRATED COURSE	MEDICAL SCIENCES 2 - INTEGRATED COURSE		
CODE	06360		
MODULES	Yes		
NUMBER OF MODULES	3		
SCIENTIFIC SECTOR(S)	MED/35, MED/15, MED/17		
HEAD PROFESSOR(S)	BONGIORNO MARIA RITA	Professore Ordinario	Univ. di PALERMO
OTHER PROFESSOR(S)	BONGIORNO MARIA RITA	Professore Ordinario	Univ. di PALERMO
	NAPOLITANO MARIASANTA	Professore Associato	Univ. di PALERMO
	COLOMBA CLAUDIA	Professore Ordinario	Univ. di PALERMO
CREDITS	9		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	3		
TERM (SEMESTER)	2° semester		
ATTENDANCE	Mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	<b>BONGIORNO MARIA RITA</b> Monday 10:00 11:00 UOC di dermatologia <b>COLOMBA CLAUDIA</b> Monday 09:00 11:00 UOC Malattie infettive <b>NAPOLITANO MARIASANTA</b> Friday 9:00 12:00 UOC Ematologia		

**DOCENTE:** Prof.ssa MARIA RITA BONGIORNO

<b>PREREQUISITES</b>	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
<b>LEARNING OUTCOMES</b>	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 the 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 choose 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 the ability to approach dermatovenereology and infective diseases based on scientific evidence and diagnostic therapeutic adequacy; 3) to interpret monitoring systems of infectious diseases in dealing with outbreak 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 the ability to use lay language when appropriate. Learning skills. Students are expected to demonstrate the ability to learn topics presented in the course and to use online and offline resources to perform bibliographic research. Students are expected to gain a basic understanding of critically appraising the literature
<b>ASSESSMENT METHODS</b>	Oral test
<b>TEACHING METHODS</b>	Theoretical courses Clinical clerkship -Operative Units of Dermatology and Infectious Diseases, AOUP

## MODULE INFECTIOUS DISEASES

*Prof.ssa CLAUDIA COLOMBA*

### SUGGESTED BIBLIOGRAPHY

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

<b>AMBIT</b>	50444-Formazione interdisciplinare
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<b>INDIVIDUAL STUDY (Hrs)</b>	45
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<b>COURSE ACTIVITY (Hrs)</b>	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 anthroponoses : Leishmaniasis , Rickettsioses , Brucellosis , Toxoplasmosis , Echinococcosis
4	exanthematous diseases : measles, rubella , chickenpox , scarlet fever
2	By importing diseases . Malaria
1	sepsis
1	enteritis.typhus

## MODULE CUTANEOUS AND VENEREAL DISEASES

*Prof.ssa MARIA RITA BONGIORNO*

### SUGGESTED BIBLIOGRAPHY

- Manuale di dermatologia medica e chirurgica di Tullio Cainelli, Alberto Giannetti, Alfredo Rebora
- Manuale di dermatologia medica di Paolo Fabbri, Carlo Gelmetti, Giorgio Leigheb

<b>AMBIT</b>	50449-Discipline mediche di rilevanza odontoiatrica
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<b>INDIVIDUAL STUDY (Hrs)</b>	45
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<b>COURSE ACTIVITY (Hrs)</b>	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 (Gonorrhea, Syphilis, Chlamydia infections)
1	Acne, Rosacea, hidradenitis suppurativa
1	Diseases caused by viruses (Herpesvirus, Papillomavirus; Poxvirus; Coxsackievirus)
2	Dermatomycoses
2	Diseases caused by bacteria
1	Defluvium
2	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 (Sclerodermas, Lupus Erythematosus, Dermatomyositis)
1	Skin reactions to UV radiation
2	Malignant Epithelial Tumors    Benign Melanocytic Tumors    Malignant Melanoma    Kaposi's Sarcoma

## MODULE BLOOD DISEASES

*Prof.ssa MARIASANTA NAPOLITANO*

### SUGGESTED BIBLIOGRAPHY

Ematologia per Medicina – Scienze Biologiche – Biotecnologie Mediche a cura di Nicola Giuliani ed Attilio Olivieri. Editore Idelson Gnocchi

<b>AMBIT</b>	50444-Formazione interdisciplinare
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30

### EDUCATIONAL OBJECTIVES OF THE MODULE

Basic knowledge of physiopathologic mechanisms, clinical findings, laboratory and instrumental diagnosis, prognostic factors and clinical management of oncohaematological and benign haematological diseases. Anemias: microcitic, normocitic and macrocitic anemias (causes, diagnosis, differentials and management); haemoglobinopathies and erythrocyte defects; thrombocythopenias and thrombocytosis (main causes, inherited and acquired forms, differential diagnosis and clinical features). Leucopenia and leukocytosis (clinical findings, diagnostic work-up, differential diagnosis). Acute leukemias: Myeloid and Lymphoid leukemias (molecular characterizations, clinical findings, diagnostic work-up, differential diagnosis, treatment principles). Chronic myeloproliferative neoplasms (molecular characteristics, clinical pictures and adverse events). Chronic Lymphoproliferative neoplasms: CLL, HL, NHL; Clinical aspects, role of cytogenetic and molecular biology in the definition of prognosis, staging systems, differential diagnosis. Monoclonal gammopathies from MGUS to Multiple Myeloma (clinical findings, diagnosis, differentials, staging system, prognosis). Thrombophilia screening: definition of risk factors for venous thromboembolism (VTE), inherited and acquired thrombophilias, VTE, anti-phospholipid antibodies syndromes. Inherited and acquired hemorrhagic syndromes: definition, clinical aspects, differential diagnosis. Thrombotic microangiopathies (TTP, PNH, DIC)

## SYLLABUS

Hrs	Frontal teaching
25	Hematopoiesis, anemias, thrombocytopenias, leukopenias and leukocytosis, Acute leukemias: clinical findings, prognostic factors, staging systems, management. Chronic myeloid neoplasm: role of Jak-2 gene mutation and other mutations, clinical findings, diagnosis, differentials. Chronic lymphoid neoplasms, lymphomas (Hodgkin, Non-Hodgkin) staging systems, diagnostic work-up, prognostic factors. Thrombophilia screening, venous thromboembolism, anti-phospholipid antibodies syndrome. Bleeding syndromes, inherited clotting deficiencies (haemophilia, von Willebrand Disease). Immune thrombocytopenias (primary and secondary), thrombotic microangiopathies