UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Biomedicina, Neuroscienze e Diagnostica avanzata
ACADEMIC YEAR	2023/2024
MASTER'S DEGREE (MSC)	MEDICINE AND SURGERY
INTEGRATED COURSE	SYSTEMATIC PATHOLOGY II - INTEGRATED COURSE
CODE	13248
MODULES	Yes
NUMBER OF MODULES	3
SCIENTIFIC SECTOR(S)	MED/17, MED/35, MED/07
HEAD PROFESSOR(S)	BONGIORNO MARIA RITA — Professore Ordinario — Univ. di PALERMO PISTONE GIUSEPPE — Professore Associato — Univ. di PALERMO DI CARLO PAOLA — Professore Associato — Univ. di PALERMO
OTHER PROFESSOR(S)	BONGIORNO MARIA RITA — Professore Ordinario — Univ. di PALERMO FASCIANA TERESA MARIA ASSUNTA — Professore Associato — Univ. di PALERMO CAPUTO VALENTINA — Ricercatore — Univ. di PALERMO GIAMMANCO GIOVANNI — Professore Ordinario — 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	9
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	**BONGIORNO MARIA RITA** Monday 10:00 11:00 UOC di dermatologia **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 **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" **COLOMBA CLAUDIA** Monday 09:00 11:00 UOC Malattie infettive **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 **FASCIANA TERESA MARIA ASSUNTA** Monday 14:00 16:00 Via del Vespro 133. Plesso di Igiene e Microbiologia. Secondo Piano

	GIAMMANCO GIOVANNI			
	Wednesday	13:00	14:00	Dipartimento di Promozione della Salute, Materno-Infantile, di Medicina Interna e Specialistica di Eccellenza "G. D'Alessandro", Via del Vespro 133, 90127, Palermo, Piano 2°
	PISTONE GIUSEPPE			
	Monday	13:00	14:00	UOC di Dermatologia e MTS

DOCENTE: Prof. GIUSEPPE PISTONE- *Sede IPPOCRATE*

PREREQUISITES	Anatomy, physiology, pathology , immunology
LEARNING OUTCOMES	Knowledge and understanding , the student must demonstrate that they have acquired the knowledge of anatomy and physiology of the skin , understanding the pathogenesis and paraphysiological and skin pathological changes; knowledge of basic biological mechanisms to immune defense , integration host- microrganisms and infections. Knowledge of the main defense mechanisms innate and acquired . Adequate understanding and exposure with technical language of the most important skin diseases in respect: nosographic, etiological, pathophysiological and clinical interpretation of cutaneous signs and ability to orientate. Ability of critical assessment and inductive reasoning and exploration of clinical and pathophysiological pathways . Main knowledge about instrumental and laboratory methods that allow an adequate diagnostic approach and critical ability to interpret results obtained. Autonomy in judgment and sensitivity in order to build a comprehensive and unified assessment of the overall health status of the person. Analysis and clinical-laboratory and instrumental combinations to be able to build the most appropriate diagnostic, preventive and therapeutic procedures. Ability to "problem solving" on the clinical problems of dermatology venereology, considering the risks and benefits and costs by the principles based on "evidence based medicine". Communication skills and clarity should be the cardinal points on which to base the relationship with the patient, it is understood as a person with inalienable rights: not only communicating results or inductions clinical-instrumental, but also socialeducational-ethical involved in prevention. The communicative skills also concerns the ability to present the results also to an audience not expert on the subject. Learners must also demonstrate teaching independence, maturity and ability to independently organize their own training; as well as the ability to perform literature searches and update through the consultation of the scientific publications.
ASSESSMENT METHODS	ASSESSMENT METHODS TYPE OF ASSESSMENT Oral assessment. This assessment is used to evaluate the student's knowledge and understanding of the programme content, independent judgement, ability to apply acquired knowledge and specific technical terminology. The student will have to answer a minimum of four questions posed orally which will focus on the subjects covered in the programme, making reference to suggested texts. ASSESSMENT CRITERIA The assessment grades are given as numerical scores awarded out of a possible 30 points, and as follows: - 30 - 30 cum laude - ECTS grades: Excellent (A – A+) Result: Excellent knowledge of the taught subject matter. The student demonstrates good analytic-synthetic capabilities and is able to apply knowledge to resolve highly complex problems. - 27 – 29 – ECTS grades: Very good (B) Result: Very good knowledge of the taught subject matter and good use of language. The student demonstrates analytic-synthetic capabilities and is able to apply knowledge to resolve some complex problems. - 24 – 26 – ECTS grades: Good (C) Result: Good knowledge of the taught subject matter and good use of language. The student is able to apply knowledge to resolve problems of medium complexity. - 21 – 23 – ECTS grades: Satisfactory (D) Result: Reasonable knowledge of the taught subject matter, in some cases limited to the main topics. Acceptable use of technical language and capacity to apply acquired knowledge independently. - 18 – 20 – ECTS grades: Sufficient (E) Result: Minimal knowledge of the taught subject matter, often limited to the main topics. Modest use of technical language and some capacity to apply acquired knowledge independently. - 1 – 17 – ECTS grades: Fail (F) Result: Unacceptable knowledge of the taught subject matter. Little or no use of technical language and capacity to apply acquired knowledge independently. Exam failed.
TEACHING METHODS	Teaching is based on lectures and internships in the departments. Attendance at lectures and tutorials is mandatory

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

PREREQUISITES	Anatomy, physiology, pathology , immunology
LEARNING OUTCOMES	Knowledge and understanding , the student must demonstrate that they have acquired the knowledge of anatomy and physiology of the skin , understanding the pathogenesis and paraphysiological and skin pathological changes; knowledge of basic biological mechanisms to immune defense , integration host- microrganisms and infections. Knowledge of the main defense mechanisms innate and acquired . Adequate understanding and exposure with technical language of the most important skin diseases in respect: nosographic, etiological, pathophysiological and clinical interpretation of cutaneous signs and ability to orientate. Ability of critical assessment and inductive reasoning and exploration of clinical and pathophysiological pathways . Main knowledge about instrumental and laboratory methods that allow an adequate diagnostic approach and critical ability to interpret results obtained. Autonomy in judgment and sensitivity in order to build a comprehensive and unified assessment of the overall health status of the person. Analysis and clinical-laboratory and instrumental combinations to be able to build the most appropriate diagnostic, preventive and therapeutic procedures. Ability to "problem solving" on the clinical problems of dermatology venereology, considering the risks and benefits and costs by the principles based on "evidence based medicine". Communication skills and clarity should be the cardinal points on which to base the relationship with the patient, it is understood as a person with inalienable rights: not only communicating results or inductions clinical-instrumental, but also social-educational-ethical involved in prevention. The communicative skills also concerns the ability to present the results also to an audience not expert on the subject. Learners must also demonstrate teaching independence, maturity and ability to independently organize their own training; as well as the ability to perform literature searches and update through the consultation of the scientific publications.
ASSESSMENT METHODS	ASSESSMENT METHODS TYPE OF ASSESSMENT Oral assessment. This assessment is used to evaluate the student's knowledge and understanding of the programme content, independent judgement, ability to apply acquired knowledge and specific technical terminology. The student will have to answer a minimum of four questions posed orally which will focus on the subjects covered in the programme, making reference to suggested texts. ASSESSMENT CRITERIA The assessment grades are given as numerical scores awarded out of a possible 30 points, and as follows: - 30 - 30 cum laude - ECTS grades: Excellent (A – A+) Result: Excellent knowledge of the taught subject matter. The student demonstrates good analytic-synthetic capabilities and is able to apply knowledge to resolve highly complex problems. - 27 – 29 – ECTS grades: Very good (B) Result: Very good knowledge of the taught subject matter and good use of language. The student demonstrates analytic-synthetic capabilities and is able to apply knowledge to resolve some complex problems. - 24 – 26 – ECTS grades: Good (C) Result: Good knowledge of the taught subject matter and good use of language. The student is able to apply knowledge to resolve problems of medium complexity. - 21 – 23 – ECTS grades: Satisfactory (D) Result: Reasonable knowledge of the taught subject matter, in some cases limited to the main topics. Acceptable use of technical language and capacity to apply acquired knowledge independently. - 18 – 20 – ECTS grades: Sufficient (E) Result: Minimal knowledge of the taught subject matter, often limited to the main topics. Modest use of technical language and some capacity to apply acquired knowledge independently. - 1 – 17 – ECTS grades: Fail (F) Result: Unacceptable knowledge of the taught subject matter. Little or no use of technical language and capacity to apply acquired knowledge independently. Exam failed.
TEACHING METHODS	Teaching is based on lectures and internships in the departments. Attendance at lectures and tutorials is mandatory

DOCENTE: Prof.ssa PAOLA DI CARLO- *Sede HYPATIA*

PREREQUISITES	The student must be able to use the knowledge of skin anatomy, biology, physiology and immunology to understand the genesis, morphological and functional alterations of the main dermatological diseases of an infectious, inflammatory and autoimmune nature. Furthermore, the student must learn the pathogenesis, physio pathology, the clinic, and the fundamental elements therapy of the main skin and venereal diseases and be able to perform a correct clinical examination through the use of peculiar semeiotic essays
LEARNING OUTCOMES	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 can critically evaluate and correlate clinical symptoms and physical signs, interpreting the mechanisms that produce them and analyzing 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 analyze 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 hospital setting than in the community to manage outbreaks. Finally, they should have acquired knowledge of counselling delivery procedures in infectious diseases. Communication skills: students must develop those autonomous learning skills that allow them to deal with the study of subsequent disciplines.
ASSESSMENT METHODS	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 Insufficiente 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.
TEACHING METHODS	Traditional lectures, supported by images and video, accompanied by interactive teaching in clinical setting

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
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30
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. Fever of unknown origin (FUO)
2	Airway infections: Epidemiology of respiratory tract infections (community and nosocomial 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. Exanthematous diseases

MODULE
CLINICAL MICROBIOLOGY

Prof. GIOVANNI GIAMMANCO - Sede CHIRONE, - Sede CHIRONE, - Sede IPPOCRATE, - Sede IPPOCRATE

SUGGESTED BIBLIOGRAPHY

- S. De Grazia, D. Ferraro, G. Giammanco “MICROBIOLOGIA E MICROBIOLOGIA CLINICA PER LE PROFESSIONI SANITARIE E ODONTOIATRIA” - Casa Editrice Pearson Education Italia - 2021.
- Il materiale didattico presentato a lezione sara' messo a disposizione dello studente in formato elettronico tramite il portale degli studenti di Ateneo.

AMBIT	50401-Patologia generale e molecolare, immunopatologia, fisiopatologia generale, microbiologia e parassitologia
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

Acquire basic knowledge for the correct choice of the most appropriate analytical techniques for the laboratory diagnosis of infectious diseases and acquire the essential knowledge for critical evaluation and interpretation of the results obtained.

SYLLABUS

Hrs	Frontal teaching
3	Introduction to Clinical Microbiology: discipline tasks, organization of the diagnostic microbiology laboratory, progress towards automation. Methods of sampling, storage, and transport to the laboratory of clinical samples for microbiological examinations.
3	Skin infections: Main pathogens. Choice of investigations for specific pathologies: piodermites, superficial mycoses, warts, herpetic lesions. Interpretation of results.
3	CNS infections: Main pathogens. Choice of investigations for specific pathologies: bacterial meningitis, viral menigo-encephalitis, mycoses of the nervous system, tetanus, botulism, prion diseases. Interpretation of results.
3	Infections of the cardiovascular and lymphatic system: Main pathogens. Choice of investigations for specific pathologies: sepsis and septic shock, endocarditis, myocarditis, pericarditis, acquired immunodeficiency syndrome. Interpretation of results.
3	Respiratory tract infections: Main pathogens. Choice of investigations for specific pathologies: pharyngitis, laryngitis, pneumonia, tuberculosis, SARS and COVID-19. Interpretation of results.
3	Infections of the gastrointestinal tract: Main pathogens. Choice of investigations for specific pathologies: peptic ulcer, diarrhea, dysentery, viral hepatitis. Interpretation of results.
3	Urinary tract infections: Main pathogens. Choice of investigations for specific pathologies: sexually transmitted infections, cystitis. Interpretation of results.
3	Zoonoses and vector borne infections: Major pathogens. Choice of investigations from individual pathologies: brucellosis, malaria, leishmaniasis, rickettsiosis. Interpretation of results.
3	Infections of the fetus, infant, childhood and adolescence: Main pathogens. Selection of the investigations indicated by individual pathologies: infections of the TORCH complex, measles, varicella, mumps, infectious mononucleosis. Interpretation of results.
3	Opportunistic and nosocomial infections: Main pathogens. Selection of the investigations indicated by individual pathologies: aspergillosis, candidiasis, cryptococcosis, toxoplasmosis. Interpretation of results.

MODULE
CUTANEOUS AND VENEREAL DISEASES

Prof. GIUSEPPE PISTONE - Sede IPPOCRATE, - Sede IPPOCRATE

SUGGESTED BIBLIOGRAPHY

- Manuale di dermatologia medica e chirurgica di Tullio Cainelli, Alberto Giannetti, Alfredo Rebora
ISBN-13 978-8838615344
- Manuale di dermatologia medica di Paolo Fabbri, Carlo Gelmetti, Giorgio Leigheb
ISBN-13 978-8821437533

AMBIT	50419-Clinica delle specialità medico-chirurgiche
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

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
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
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30
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
3	General information on infectious diseases epidemiology, clinical and laboratory diagnosis
3	sepsis and septic shock, endocarditis. Fever of unknown origin (FUO)
3	Airway infections: Epidemiology of respiratory tract infections (community and nosocomial 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
4	exanthematous diseases : measles, rubella , chickenpox , scarlet fever
3	tuberculosis, Malaria
3	Infections of the central nervous system: meningitis, encephalitis, brain abscess; meningococcal disease
3	Brucellosis, leptospirosis, typhoid fever, tick borne diseases
1	TORCH

MODULE
CUTANEOUS AND VENEREAL DISEASES

Prof.ssa MARIA RITA BONGIORNO - Sede CHIRONE, - Sede CHIRONE

SUGGESTED BIBLIOGRAPHY

- Manuale di dermatologia medica e chirurgica di Tullio Cainelli, Alberto Giannetti, Alfredo Rebora
ISBN-13 978-8838615344
- Manuale di dermatologia medica di Paolo Fabbri, Carlo Gelmetti, Giorgio Leigheb
ISBN-13 978-8821437533

AMBIT	50419-Clinica delle specialità medico-chirurgiche
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

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
INFECTIOUS DISEASES

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

SUGGESTED BIBLIOGRAPHY	
Malattie infettive di: Roberto Esposito,Mauro Moroni,Spinello Antinori Editore: Edra Masson Edizione: 8; ISBN: 882143690X	
AMBIT	50408-Medicina di comunità
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30
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. Fever of unknown origin (FUO)
2	Airway infections: Epidemiology of respiratory tract infections (community and nosocomial 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. Exanthematous diseases

MODULE
CLINICAL MICROBIOLOGY

Prof.ssa TERESA MARIA ASSUNTA FASCIANA - Sede HYPATIA, - Sede HYPATIA

SUGGESTED BIBLIOGRAPHY

- S. De Grazia, D. Ferraro, G. Giammanco “MICROBIOLOGIA E MICROBIOLOGIA CLINICA PER LE PROFESSIONI SANITARIE E ODONTOIATRIA” - Casa Editrice Pearson Education Italia - 2021.
- Il materiale didattico presentato a lezione sara' messo a disposizione dello studente in formato elettronico tramite il portale degli studenti di Ateneo.

AMBIT	50401-Patologia generale e molecolare, immunopatologia, fisiopatologia generale, microbiologia e parassitologia
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

Acquire basic knowledge for the correct choice of the most appropriate analytical techniques for the laboratory diagnosis of infectious diseases and acquire the essential knowledge for critical evaluation and interpretation of the results obtained.

SYLLABUS

Hrs	Frontal teaching
3	Introduction to Clinical Microbiology: discipline tasks, organization of the diagnostic microbiology laboratory, progress towards automation. Methods of sampling, storage, and transport to the laboratory of clinical samples for microbiological examinations.
3	Skin infections: Main pathogens. Choice of investigations for specific pathologies: piodermites, superficial mycoses, warts, herpetic lesions. Interpretation of results.
3	CNS infections: Main pathogens. Choice of investigations for specific pathologies: bacterial meningitis, viral menigo-encephalitis, mycoses of the nervous system, tetanus, botulism, prion diseases. Interpretation of results.
3	Infections of the cardiovascular and lymphatic system: Main pathogens. Choice of investigations for specific pathologies: sepsis and septic shock, endocarditis, myocarditis, pericarditis, acquired immunodeficiency syndrome. Interpretation of results
3	Respiratory tract infections: Main pathogens. Choice of investigations for specific pathologies: pharyngitis, laryngitis, pneumonia, tuberculosis, SARS and COVID-19. Interpretation of results.
3	Infections of the gastrointestinal tract: Main pathogens. Choice of investigations for specific pathologies: peptic ulcer, diarrhea, dysentery, viral hepatitis. Interpretation of results.
3	Urinary tract infections: Main pathogens. Choice of investigations for specific pathologies: sexually transmitted infections, cystitis. Interpretation of results.
3	Zoonoses and vector borne infections: Major pathogens. Choice of investigations from individual pathologies: brucellosis, malaria, leishmaniasis, rickettsiosis. Interpretation of results.
3	Infections of the fetus, infant, childhood and adolescence: Main pathogens. Selection of the investigations indicated by individual pathologies: infections of the TORCH complex, measles, varicella, mumps, infectious mononucleosis. Interpretation of results.
3	Opportunistic and nosocomial infections: Main pathogens. Selection of the investigations indicated by individual pathologies: aspergillosis, candidiasis, cryptococcosis, toxoplasmosis. Interpretation of results.

MODULE
CUTANEOUS AND VENEREAL DISEASES

Prof.ssa VALENTINA CAPUTO - Sede HYPATIA, - Sede HYPATIA

SUGGESTED BIBLIOGRAPHY

Cainelli, Giannetti, Rebora. Manuale di Dermatologia Medica e Chirurgica, Mcgraw-Hill
Pippione, Amerio, Bernengo Dermatologia e Venereologia. Edizioni Minerva medica

AMBIT	50419-Clinica delle specialità medico-chirurgiche
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

Students should know structure, biology, physiology and immunology of the skin to understand the genesis, the morphological and functional alterations of major infectious, inflammatory, autoimmune cutaneous diseases. Students must learn the pathogenesis, the pathophysiology, the clinical findings and the therapy of the main cutaneous and venereal diseases, and they be able to demonstrate a correct clinical examination using peculiar semeiotics essays.

SYLLABUS

Hrs	Frontal teaching
2	Structure and physiology of the skin. Dermatological semeiotics.
2	Scabies, pediculosis, leishmaniasis
2	Epidemiology, pathogenesis, clinical findings and diagnosis of viral, bacterial, fungal diseases
2	Epidemiology, pathogenesis, clinical findings and diagnosis of contact dermatitis and atopic dermatitis.
2	Epidemiology, pathogenesis, clinical findings and diagnosis of psoriasis
2	Epidemiology, pathogenesis, clinical findings and diagnosis of acne vulgaris and rosacea
2	Epidemiology, pathogenesis, clinical findings and diagnosis of urticaria and angioedema
2	Epidemiology, pathogenesis, clinical findings and diagnosis of bullous disorders
2	Epidemiology,pathogenesis, clinical findings and diagnosis of dermal connective tissue
2	Epidemiology, pathogenesis, clinical findings and diagnosis of the cutaneous reactions to drugs
2	Epithelial precancerous lesions
2	Epidemiology, pathogenesis, clinical findings and diagnosis of lichen planus
2	Epidemiology, pathogenesis, clinical findings and diagnosis of melanocytic nevi and cutaneous melanoma
2	Epidemiology, pathogenesis, clinical findings and diagnosis of benign and malignant epithelial tumors
2	Epidemiology, pathogenesis, clinical findings and diagnosis of sexually transmitted diseases.