

## COURSE DETAILS

### "INTEGRATED COURSE OF CLINICAL IMMUNOLOGY AND ALLERGY, CUTANEOUS AND VENEREAL DISEASES, PLASTIC SURGERY"

DEGREE PROGRAMME: MEDICINE AND SURGERY (P11)

ACADEMIC YEAR 2024-2025

#### GENERAL INFORMATION – TEACHER REFERENCES

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Faculty	Position	Scientific Fields	Phone	Reception	E-mail
de Paulis Amato	Full Professor	Internal Medicine	3161	Wed 15:00-16:00 Bldg 18	depaulis@unina.it
Rossi Francesca W.	Associate Professor	Internal Medicine	3175	Tue 12:00-13:00 Bldg 18	francescawanda.rossi@unina.it
Varricchi Gilda	Associate Professor	Internal Medicine	3165	Wed 12:00-13:00 Bldg 18	gilda.varricchi@unina.it
Scalvenzi Massimiliano	Associate Professor	Dermatology	4386	Mon 12:00-14:00 Bldg 10	scalvenz@unina.it
Napolitano Maddalena	Associate Professor	Dermatology	2456	Wed 12:30-13:30 Bldg 10	maddalena.napolitano@unina.it
Cantelli Maria Teresa	Assistant Professor	Dermatology	2456	Wed 12:30-13:30 Bldg 10	mariateresa.cantelli@unina.it
Schonauer Fabrizio	Associate Professor	Plastic Surgery	4516	Mon 12:00-13:00 Bldg 5	fabrizio.schonauer@unina.it
La Padula Simone	Associate Professor	Plastic Surgery	4516	Mon 12:00-13:00 Bldg 5	simone.lapadula@unina.it

## GENERAL INFORMATION ABOUT THE COURSE

**INTEGRATED COURSE:** CLINICAL IMMUNOLOGY AND ALLERGY, CUTANEOUS AND VENEREAL DISEASES, PLASTIC SURGERY

**MODULE:** Clinical Immunology and Allergy, Dermatology, Plastic Surgery

**SSD OF THE MODULE:** Clinical Immunology and Allergy MED-09, Dermatology MED-35, Plastic Surgery MED-19

**TEACHING LANGUAGE:** ENGLISH

**YEAR OF THE DEGREE PROGRAMME (I, II, III):** IV

**SEMESTER (I, II, ANNUAL):** I

**CFU:** 10

### REQUIRED PRELIMINARY COURSES (IF MENTIONED IN THE COURSE STRUCTURE “REGOLAMENTO”)

*Microbiology and Immunology*

### PREREQUISITES (IF APPLICABLE)

*For a proper understanding of the topics discussed in the Integrated Course, students should have acquired general knowledge of the way the human organism reacts to infections by the immune system and knowledge of the mechanisms underlying human diseases.*

### LEARNING GOALS

*The aim of the integrated course is to introduce advanced knowledge of immunological, allergic, cutaneous, sexually transmitted, and plastic surgery diseases. In addition, the course aims to provide cognitive and methodological skills to understand the etiology and pathogenesis of these diseases and to learn current basics concerning the prevalence, the possible outcome of the various disorders, and the main treatments.*

### EXPECTED LEARNING OUTCOMES (DUBLIN DESCRIPTORS)

*Students will acquire the fundamental knowledge that will enable them to understand the underlying mechanisms of immunological, allergic, and dermatological diseases. The student must, at the end of the course: 1. know the etiopathogenesis underlying the different systemic diseases; 2. connect morphological aspects to cellular and molecular changes; 3. Recognize direct and indirect symptoms; 4. establish the diagnostic and therapeutic development of the different pathologies and understand the main techniques of plastic surgery; 5. establish basic indications of the therapeutic strategy (ex: medical or surgical therapy).*

### Knowledge and understanding

*The students will deal with the study, diagnosis, and management of patients with diseases resulting from disordered immunological mechanisms, (both deficient and exaggerated) and conditions in which immunological manipulations form an important part of treatment. They will also learn the principal cutaneous (acute and chronic), sexually transmitted, and plastic surgery diseases. They will study and understand the procedure requiring the action of the plastic surgeon. Students will be introduced to*

*structuring clinical thinking based on anamnesis, clinical observation, laboratory tests, and other diagnostic tools. They will be abreast of the latest guidelines and the diagnosis and management protocols of the diseases covered by the course.*

### **Applying knowledge and understanding**

*The student needs to show the ability to solve problems related to the main immune and cutaneous diseases, recognizing the clinical signs and symptoms presented and discriminating the primary from the associated conditions. The course provides the capability and tools to construct a diagnostic trajectory based on clinical manifestations and changes in laboratory and instrumental tests. Students will manage the most important dermatological lesions using photographs. Finally, moving away from the concepts he studied, the student will define the diagnostic procedures involved in early and differential diagnosis, providing basic indications on therapeutic strategies.*

### **COURSE CONTENT/SYLLABUS**

*The contents of the Integrated Course include the following topics:*

- Clinical and immunological features of Allergic diseases: Bronchial Asthma, Rhinitis, Urticaria and Angioedema, Drug allergy, Food allergy, Systemic Eosinophilia, Anaphylaxis, Clinical, and Immunological features of Rheumatoid Arthritis, Acute Rheumatic Fever, Systemic Lupus Erythematosus, Psoriatic arthritis, Anti-phospholipid syndrome, Immunodeficiencies, Sjogren Syndrome, Systemic Sclerosis, Sarcoidosis, Systemic Vasculitis, Polymyositis/Dermatomyositis, Cutaneous, and systemic drug adverse reactions.*
- Cutaneous expression of bullous and immunological diseases, Cutaneous Mycosis, Cutaneous Parasitosis, Cutaneous precancerous lesions, Melanoma, Epithelial Neoplasms, Atopic Dermatitis, Contact Dermatitis, Sexually transmitted Infections, Medical Trichology, Bacterial, and Viral Cutaneous Infections.*
- General principles of Plastic Surgery, Basic techniques in Plastic Surgery: Grafts and flaps, Hand, and lower limb trauma.*

<b>Week</b>	<b>Day</b>	<b>Hours</b>	<b>Lesson</b>	<b>Professor</b>
	Mon 11/11/2024	15:00-16:40	Principles of autoimmune diseases	F.W. Rossi
	Tue 12/11/2024	15:00-16:40	Rheumatoid Arthritis	
	Wed 13/11/2024	15:00-16:40	Systemic sclerosis	
	Thu 14/11/2024	15:00-16:40	Systemic lupus erythematosus	
	Fri 15/11/2024	13:00-13:50	Biological therapies in autoimmune diseases	
	Mon 18/11/2024	15:00-16:40	Bronchial asthma	G. Varricchi
	Tue 19/11/2024	15:00-16:40	Primary immunodeficiency	
	Wed 20/11/2024	15:00-16:40	Secondary immunodeficiency	
	Thu 21/11/2024	15:00-16:40	Urticaria	
	Fri 22/11/2024	13:00-13:50	Rhinitis and biological therapies	
	Mon 25/11/2024	15:00-16:40	Vasculitis	A. de Paulis M.R. Galdiero
	Tue 26/11/2024	15:00-16:40	Rheumatic Fever Connective tissue diseases	
	Wed 27/11/2024	15:00-16:40	Sjogren syndrome	
	Thu 28/11/2024	15:00-16:40	Antiphospholipid Syndrome	
	Fri 29/11/2024	13:00-13:50	Food allergy	
	Mon 02/12/2024	15:00-16:40	Psoriasis	M. Scalvenzi M. Annunziata
	Tue 03/12/2024	15:00-16:40	Nevi and cutaneous melanoma	
	Wed 04/12/2024	15:00-16:40	Cutaneous bacterial and viral infections	
	Thu 05/12/2024	15:00-16:40	Hidradenitis suppurativa	
	Fri 06/12/2024	13:00-13:50	Acne	
	Mon 09/12/2024	15:00-16:40	Skin manifestations of drug allergy	F. Schonauer S. La Padula
	Tue 10/12/2024	15:00-16:40	General principles of Plastic Surgery	

	Wed 11/12/2024	15:00-16:40	Basic techniques in Plastic Surgery Grafts and flaps	
	Thu 12/12/2024	15:00-16:40	Hand and lower limb trauma	
	Fri 13/12/2024	13:00-13:50	Clinical cases in dermatology	
	Mon 16/12/2024	15:00-16:40	Atopic dermatitis	M. Scalvenzi M.T. Cantelli
	Tue 17/12/2024	15:00-16:40	Autoimmune bullous diseases	
	Wed 18/12/2024	15:00-16:40	Sexually transmitted infections	
	Thu 19/12/2024	15:00-16:40	Contact dermatitis	
	Fri 20/12/2024	13:00-13:50	Clinical cases in dermatology	

## READINGS/BIBLIOGRAPHY

### CLINICAL IMMUNOLOGY AND ALLERGY

-Teaching supporting slides

-EULAR Textbook on Rheumatic Diseases Third Edition (2018) Editors: Johannes WJ Bijlsma, Eric Hachulla

-Allergic and Immunologic Diseases, A Practical Guide to the Evaluation, Diagnosis and Management of Allergic and Immunologic Diseases, Editor: Christopher Chang, Elsevier, 2022

-Harrison's Principles of Internal Medicine 21th Edition

### CUTANEOUS AND VENEREAL DISEASES

-Clinical Dermatology Fifth Edition Richard B., M.D. Weller, Hamish J. A. Hunter, Margaret W., M.D

### PLASTIC SURGERY

-Grabb and Smith's Plastic Surgery. Kevin C. Chung. Wolters Kluwer/Lippincott 2020 9th Edition

## TEACHING METHODS

The course will be entirely based on lectures with the support of power points slides. A PDF file will be at the end distributed to students.

## EXAMINATION/EVALUATION CRITERIA

### Exam type:

For *integrated courses*, there should be one exam.

Exam type	
written and oral	
only written	X
only oral	
project discussion	
other	

### Evaluation pattern:

The oral exam consists in 3 questions for each module. The final mark will be weighted on CFU of each module and therefore will be made up of: Module Clinical Immunology and Allergy 4 CFU 50%, Module Dermatology 3 CFU 37.5%, Module Plastic Surgery 1 CFU 12.5%.