



Attachment 1: Course Syllabus Template

Degree Programme in MEDICINE AND SURGERY, Rome

Academic Year 2026 /2027

INTEGRATED COURSE (I.C.): DERMATOLOGY AND PLASTIC SURGERY

NUMBER OF CFU (ECTS credits): 5

SSD (Academic Discipline Code): MEDS-10/C; MEDS-14/A

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MODULE 1: Dermatology

NUMBER OF CFU (ECTS credits): 3

SSD (Academic Discipline Code): MEDS-10/C

LECTURER: Simone Garcovich

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MODULE 2: Plastic Surgery

NUMBER OF CFU (ECTS credits): 2

SSD (Academic Discipline Code): MEDS-14/A

LECTURER: Roberto Valeriani

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PREREQUISITE COURSES

None required

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There are no prerequisites

LEARNING OBJECTIVES

The course aims to provide students with the fundamental elements of a clinical approach to patients affected by dermatological and venereological diseases. Emphasis is placed on mastering dermatological clinical methodology, including a thorough medical history (general and dermatological), physical examination of the skin, mucous membranes and skin appendages (body hair, scalp hair, nails), and the assessment of primary skin lesions. The programme covers pathogenesis, clinical presentation, diagnosis and principles of treatment, with particular focus on high-prevalence dermatoses commonly encountered in general practice, as well as severe skin diseases associated with systemic conditions. Skin diseases will be discussed from a pathophysiological perspective, to establish rational links with the basic biology covered in previous courses. In addition, an evidence-based diagnostic and therapeutic approach will be presented, supporting evidence-based patient management. Students will also be given the essential guidance for the diagnosis, prophylaxis and treatment of the most prevalent sexually transmitted infections.

EXPECTED LEARNING OUTCOMES

By the end of the course, students will be able to: 1. Take an accurate clinical history and competently perform a physical examination of the skin. 2. Integrate information from the medical history, clinical examination and diagnostic investigations to formulate a plausible clinical interpretation and diagnostic hypothesis. 3. Independently develop appropriate treatment plans based on clinical findings. 4. Assess dermatological manifestations and correlate them with the patient's systemic health status, adopting a multidisciplinary approach.

DD 1: Knowledge and understanding

By the end of the course, students should demonstrate knowledge and understanding of the issues related to infectious, inflammatory, neoplastic, degenerative and sexually transmitted skin diseases from a comprehensive perspective, integrating their knowledge of the pathophysiology of the skin and its appendages. They should also be able to analyze these conditions from a global health, age and gender perspective. Students will recognize the most common dermatological and venereological diseases relevant to general practice, as well as the more severe skin diseases associated with systemic conditions. Students

should also be able to describe and illustrate the main reconstructive and aesthetic surgical techniques and procedures.

DD 2: Applying knowledge and understanding

By the end of the course, students should be able to demonstrate that they can take an accurate clinical history and competently perform a physical examination of the skin. They should be able to integrate information from medical history, clinical examination and instrumental investigations to formulate a plausible clinical interpretation, a diagnostic hypothesis and a differential diagnosis. Students should then be able to independently develop an appropriate and rational treatment plan to resolve the clinical problem.

DD3: Making judgements

By the end of the course, students should be able to assess dermatological manifestations and correlate them with the patient's overall health status, adopting a multidisciplinary approach. Students should be able to collect the main clinimetric data for skin diseases and correctly interpret the patient's symptoms and needs. Group-based, interactive discussion of real clinical cases during practical sessions, together with the analysis of scientific articles, will support students' clinical reasoning and the practical application of evidence-based medicine.

DD4: Communication skills

Students should be able to use correct clinical terminology to describe primary skin lesions, signs and symptoms affecting the skin and mucous membranes, and the main techniques of reconstructive and aesthetic plastic surgery. They should also be able to communicate the outcomes of diagnostic and therapeutic pathways clearly and understandably to patients and non-specialists.

DD5: Learning skills

By the end of the course, students will be able to keep continuously up to date on the course topics by consulting scientific publications and the guidelines of the main national and international scientific societies of Dermatology and Plastic Surgery. During the course, teaching tools such as explanatory diagrams, images, videos and animations will be used to describe the various dermatological diseases and surgical procedures. Interactive discussions of simulated clinical cases are also planned. The course includes an interdisciplinary seminar on skin cancer, covering the pathogenesis and the medical and surgical management of skin tumours, with dynamic interaction between specialists in dermatology and plastic surgery. Students will be able to apply the knowledge they have acquired to contexts other than those presented during the course, and to explore the topics covered in greater depth using additional materials, such as online resources and databases on the main dermatological conditions.

SYLLABUS

Syllabus MODULE 1: (CFU 3)

- Fundamentals of anatomy and physiology of the skin, skin appendages and mucous membranes (2 hours)
- Clinical methodology and dermatological semeiotics, primary skin lesions (1 hour)

- Photobiology and photocarcinogenesis (1 hour)*
- Benign skin tumours and proliferative skin lesions, melanocytic naevi (1 hour)
- Keratinocyte skin cancers (actinic keratoses, cutaneous squamous cell carcinoma, basal cell carcinoma) (1 hour)*
- Melanoma (1 hour)*
- Integrated management of skin tumours (1 hour)*
- Atopic dermatitis (2 hours)
- Eczematous diseases (contact dermatitis, seborrhoeic dermatitis) (1 hour)
- Psoriasis (2 hours)
- Lichen planus and lichenoid dermatoses (1 hour)
- Autoimmune bullous diseases (pemphigus, pemphigoid diseases, dermatitis herpetiformis) (1 hour)
- Autoimmune skin diseases (lupus erythematosus, scleroderma, dermatomyositis) (1 hour)
- Urticaria and angioedema (1 hour)
- Cutaneous adverse drug reactions (1 hour)
- Acne and rosacea (2 hours)
- Hidradenitis suppurativa (1 hour)
- Alopecia and hair follicle disorders (1 hour)
- Vitiligo (1 hour)
- Pigmentary disorders (1 hour)
- Bacterial skin infections (1 hour)
- Viral skin infections (1 hour)
- Fungal skin infections and ectoparasitoses (1 hour)
- Sexually transmitted infections (epidemiology, prophylaxis, syphilis, gonorrhoea and non-gonococcal urethritis, human papillomavirus infection, genital herpes) (2 hours)
- Cutaneous manifestations of HIV infection (1 hour)

Syllabus MODULE 2:

Plastic and Reconstructive Surgery (1 CFU)

- History of plastic surgery; pathophysiology of tissue repair and wound healing; surgery of skin tumours and principles of surgical wound reconstruction (2 hours)
- Burns: definition; epidemiology; classification; surgical and non-surgical treatment and systemic therapy; surgical repair and skin grafts (2 hours)
- Principles and techniques of skin grafting (2 hours)
- Implant-based (heterologous) breast reconstruction: tissue expander, permanent implant and permanent expandable implant; immediate and delayed breast reconstruction: two-stage reconstruction and direct-to-implant (DTI) reconstruction; surgical technique: prepectoral vs subpectoral reconstruction; capsular contracture and radiotherapy (2 hours)
- Autologous breast reconstruction: free flaps; pedicled flaps; surgical technique: TRAM flap, DIEP flap, latissimus dorsi flap (2 hours)

Aesthetic Surgery (1 CFU)

- Aesthetic surgery of the scalp and face: basic principles and techniques (2 hours)
- Facial and neck rejuvenation techniques; facial and nerve anatomy in aesthetic surgery (2 hours)
- Aesthetic medicine: basic concepts and techniques (2 hours)
- Aesthetic breast surgery (2 hours)
- Aesthetic body contouring and post-bariatric surgery (2 hours)

COURSE STRUCTURE

The course consists of in-person lectures, divided into 30 hours of Dermatology and 20 hours of Plastic Surgery, with compulsory attendance. The course consists of 50 hours of classroom-based teaching and 2.5 hours of practical exercises for each CFU (ECTS credits).

COURSE GRADE DETERMINATION

The examination consists of a written test. The written test is made up of multiple-choice questions with a single correct answer, with no penalty for incorrect answers. The examination is passed only if a minimum score of correct answers is achieved in both the dermatology section and the plastic surgery section. Students who pass the written examination will then take an oral examination with two lecturers (Dermatology and Plastic Surgery), which can adjust the overall mark (± 5 points) and lead to the award of honours (cum laude). During the oral examination, students will have the opportunity to demonstrate their knowledge by discussing the course topics, reasoning through problems related to the subjects covered, and showing their ability to express themselves using appropriate scientific language.

Fail	Significant gaps and/or inaccuracies in knowledge and understanding of the topics; limited analytical and synthesis skills; argumentation absent or frequently incorrect.
18–20	Barely sufficient knowledge and understanding of the topics, with possible imperfections; sufficient analytical, synthesis, and judgement skills.
21–23	Routine knowledge of the topics; correct analytical and synthesis skills with coherent logical argumentation.
24–26	Fair knowledge and understanding of the topics; good analytical and synthesis skills; rigorously expressed argumentation.
27–29	Complete knowledge of the topics; considerable analytical and synthesis skills; good independent judgement.
30–30L	Excellent level of knowledge and understanding. Considerable analytical, synthesis, and independent judgement skills. Original argumentation expressed with full command of specialized terminology.

OPTIONAL ACTIVITIES

Students may arrange meetings with the lecturers, subject to online booking, for tutoring either remotely or in person, in accordance with the University regulations.

READING MATERIALS

Texts MODULE 1

- Rook's Dermatology Handbook – Ingram, John R., Ph.D.; Simpson, Rosalind C. – Wiley Blackwell, 2022, ISBN13: 978-1119428190
- Essential Dermatology – Bologna, 2021, Elsevier, ISBN-13: 978-0323624534
- Fitzpatrick's Dermatology in General Medicine, 9^a edizione, 2019 – McGraw-Hill Education; ISBN-13: 978-0071837798

Texts MODULE 2

- Textbook of Plastic and Reconstructive Surgery: Basic Principles and New Perspectives, Editors: Michele Maruccia, Giuseppe Giudice — Springer, 2022, ISBN-13: 978-3030823351
- Grabb and Smith's Plastic Surgery –Wolters Kluwer 2024, ISBN-13: 978-1975214265