

09. CLINICAL COMPETENCE IN HEART FAILURE	
Level II	
Proponent Department Experimental and Clinical Medicine (DMSC)	
<p style="text-align: center;"><i>The course is conducted in collaboration with ANMCO - Associazione Nazionale Medici Cardiologi Ospedalieri [The Italian national association of cardiologists operating within the hospital system]</i></p>	
Course coordinator	Carlo Rostagno
Executive Committee	Carlo Rostagno Rossella Marcucci Carlo Di Mario
Contact person for information regarding teaching organization, class schedule, course content	carlo.rostagno@unifi.it
Practical-professional profile of the course and industry sector of reference	<p>The course structure includes a series of modules that, starting with the definition of heart failure, epidemiology, and socioeconomic aspects, specifically address the major frameworks of decompensation. For chronic heart failure, pathophysiology, clinical characterization, pharmacological treatment, and co-morbidity management are explained and discussed. Management models in different clinical settings that have emerged and established themselves and are the shared references today are presented and analyzed. For acute and advanced heart failure, two special modules address the treatment of the acute phase, congestion, cardiogenic shock, treatment of advanced heart failure, renal replacement techniques, non-invasive ventilation, and end-of-life treatment. Appropriate management workouts are presented and discussed in detail for both acute and advanced heart failure. Two modules are devoted to imaging, biomarkers, and functional assessment, emphasizing the workout of patients with structural heart disease and myocardial pathology. Concerning the treatment perspectives, one module is devoted to electrical therapy (resynchronization, defibrillator use, and remote monitoring) and one to surgical treatment and ventricular assist programs, with unique insights into the diagnostic workout of patients with an indication for treatment with transplantation and ventricular assist. Finally, a module is devoted to the topics of health economics and organization (Essential Levels of Care, health pact, stability law, chronicity plan, DTAPs, continuity of care for chronicity), evaluation of resource absorption for the treatment of patients with heart failure, and remuneration of activities performed for their benefit.</p> <p>In particular, the course aims to train professionals capable of managing patients with heart failure in its different developmental stages and of proposing organizational models both in hospitals and in the territory that are useful for improving the management of this condition of broad scope from the social, clinical, and economic points of view</p> <p>At the end of the course, learners will have the competence to manage patients with heart failure in its different developmental stages and propose organizational models in hospitals and the community.</p>
Access prerequisites	<p>Single-cycle degree obtained in accordance with the system under Ministerial Decree No. 270/2004 (or specialist degree under Ministerial Decree No. 509/1999 equated under I.D. July 9, 2009) in the class</p> <ul style="list-style-type: none"> - LM-41 Medicine and Surgery <p>Degree awarded according to a system prior to Ministerial Decree No. 509/1999 in</p> <ul style="list-style-type: none"> - Medicine and Surgery

	Specialization in Cardiology, or in Cardiovascular System Diseases, or in Internal Medicine, or in Emergency and Urgent Medicine, or in Anesthesia, Resuscitation and Intensive Pain Therapy will be preferred qualification .
How the admission procedure takes place	Selection by academic qualifications
Duration	12 months
Teaching methods	In-person classes
Language of instruction	Italian. The knowledge of Italian by foreign candidates is assessed by the Executive Committee or a Commission specially appointed by it, including through the production of appropriate certifications.
Attendance requirements	70%
Location of the course	Educational activities are held at the Department of Heart and Vessels, AOU Careggi, Largo Brambilla, 3 - 50134 Florence
Foreseen lecture schedule	Classes are also held on Saturdays.
Examinations procedures and schedule	The assessment of educational activities consists of examinations with a grade expressed in thirtieths and possible mention of honors or with a pass/fail grade in some cases.
Final examination	The final examination consists of the presentation of a paper on the subject of heart failure.

Available places and enrolment fees	
Full-fee students	
Minimum number	10
Maximum Number	40
Enrolment fee	€3000
Free-of-charge supernumerary places	
AOU Careggi Employees	2
AOU Meyer Employees	2
Single Modules	
None planned	

Description of the activities and training objectives of the internship	Internship aimed at acquiring practical elements in the management of heart failure. Observational activity. 75 total hours of internship.
--	---

ⁱ This document is a translation of the form A.1 relating to the characteristics of the course attached to the Decree of the Deputy number 873 (record 158006) of 25th of July 2022, drafted in Italian and issued on the Master | Didattica | Università degli Studi di Firenze | UniFI and which therefore constitutes the only official document. This English translation cannot be used for legal purposes and has the sole purpose of supplying information in English on the content of the public notice.