

13. THROMBOSIS AND HEMOSTASISⁱ	
Second Level	
Department of Experimental and Clinical Medicine (DMSC)	
Course coordinator	Rossella Marcucci
Organizing committee	Domenico Prisco Maria Boddi Anna Maria Gori Rossella Marcucci Alessandro Maria Vannucchi
Contact person for information regarding course organization, the schedule of classes and course content	Prof.ssa Rossella Marcucci rossella.marcucci@unifi.it
Practical-professional profile of the course and reference job market	<p>The course provides participants with high-profile scientific and professional training and updates on molecular biology, epidemiology, laboratory and instrumental diagnostics, and pharmacology of thromboembolic and hemorrhagic diseases.</p> <p>In particular, graduates will be able to find employment in the management of complex laboratory methods for the diagnosis and therapy of thromboembolic and hemorrhagic diseases (for use in analytical and research laboratories); as consultants for the development and testing of new antithrombotic and hemostatic drugs (for use in pharmaceutical industries producing drugs for the prevention and treatment of thrombotic and hemorrhagic diseases and blood products); as clinical consultant for complex facilities dedicated to the diagnosis and therapy of atherothrombotic, thromboembolic and hemorrhagic diseases (thrombosis centers, specialized units with cardiovascular focus, hemostasis centers, hemophilia centers).</p> <p>To this end, the educational activities will be divided into in-person lectures (45 CFU), traineeship (7 CFU), and final exam (8 CFU).</p> <p>The course is divided into 5 modules: Pathophysiology and diagnostics, pharmacology, and therapy; Hemorrhagic diseases; Venous thromboembolism; Atherothrombosis and cardioembolism; Thrombosis and hemostasis in specialty settings.</p> <p>At the end of the course, students will have acquired the following knowledge and skills: clinical, molecular and laboratory diagnostics, clinical pharmacology, and therapy of atherothrombotic, thromboembolic, and hemorrhagic diseases.</p>
Admission requirements	<p>Master's degree awarded in accordance with the system under Ministerial Decree No. 270/2004 (or Master's degree under Ministerial Decree No. 509/1999, equivalent under I.D. July 9, 2009) in one of the following classes:</p> <ul style="list-style-type: none"> • LM-6 Biology • LM-7 Agricultural biotechnology; • LM-8 Industrial biotechnology; • LM-9 Medical, Veterinary, and Pharmaceutical Biotechnology; • LM-21 Biomedical Engineering; • LM-54 Chemistry; • LM-61 Human Nutrition; • LM-70 Food Science and Technology; • LM-SNT/1 Class of Master's degrees in Nursing and midwifery; • LM-SNT/2 Class of Master's degrees in Rehabilitation health professions;

	<ul style="list-style-type: none"> • LM-SNT/3 Class of Master's degrees in Technical health professions; • LM-SNT/4 Class of Master's degrees in Health professions for prevention. <p>Single-cycle Master's degree awarded in accordance with the system under Ministerial Decree No. 270/2004 (or a Master's degree under Ministerial Decree No. 509/1999, equivalent under I.D. of 9 July 2009) in one of the following classes:</p> <ul style="list-style-type: none"> • LM-13 Pharmacy and Industrial Pharmacy • LM 41 Medicine and Surgery • LM 46 Dentistry and Dental Prosthetics <p>Degree awarded under a system prior to Ministerial Decree No. 509/1999 in</p> <ul style="list-style-type: none"> • Pharmaceutical Biotechnology; • Biotechnology - Agricultural plant biotechnology curriculum • Biotechnology - Agribusiness biotechnology curriculum • Biotechnology - Medical biotechnology curriculum • Biotechnology - Industrial biotechnology curriculum • Biotechnologies • Pharmaceutical chemistry and technologies • Pharmacy • Biomedical engineering • Medical engineering • Medicine and Surgery • Biology • Food sciences and technologies <p>Degree awarded under a system prior to Ministerial Decree No. 509/1999 of closely related content, deemed suitable by the Organizing Committee or by a committee specifically appointed by it.</p>
Admission procedure	Selection based on qualifications
Duration	12 months
Teaching methods	In person
Language the course will be delivered in	Italian
Attendance requirement	75%
Course location	Department of Experimental and Clinical Medicine, Largo Brambilla 3, Florence
Foreseen lecture days	Classes will be held in three-day sessions per month, on Monday-Tuesday-Wednesday (9 am to 6 pm) or on Thursday-Friday (9 am to 6 pm) and Saturday (9 am to 1 pm).
Verification of knowledge of the language in which the course is delivered	For foreign students, knowledge of the Italian language at level B2 or higher is required. This knowledge will be verified by the Organizing Committee via meet.
Exam procedure and schedule	<p>Student assessment is through exams with a grade expressed in thirtieths (and possible honours) or with a pass/fail mark. The Course Coordinator will report results to the Functional Unit "Integrated Teaching with the Regional Health Service and the School of Human Health Sciences".</p> <p>Students do an observation-only traineeship at the Careggi University Hospital (AOUC), Largo Brambilla 3, - 50134 Florence. This experience is aimed at developing theoretical knowledge and clinical and laboratory skills in the management of thrombotic and hemorrhagic diseases, during which they will work alongside mentors in activities related to:</p> <ul style="list-style-type: none"> - hemostasis and thrombosis laboratory; - outpatient hemorrhagic and thrombotic diseases and vascular diagnostics.

Final exam	The final exam entails the presentation of a paper
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Number of available places and full-fee enrolment	
Minimum no. of places	5
Maximum no. of places	25
Enrolment fee	3,000 Euros
Free supernumerary places	
UNIFI employees	2
Usl Toscana Centro	2
Single modules	
None available	

Description of traineeship activities and training objectives	<p>During the observational-only traineeship, participants will work alongside mentors during various moments of activity related to:</p> <ul style="list-style-type: none"> - hemostasis and thrombosis laboratory; - outpatient hemorrhagic and thrombotic diseases and vascular diagnostics. <p>Aims: To develop theoretical knowledge and clinical and laboratory skills in the management of thrombotic and hemorrhagic diseases.</p> <p>Observational activity. 175 total hours of traineeship</p>
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ⁱⁱ 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 848 (record 153310) of 2th of July 2024, 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.