

**08. BRONCHOSCOPY AND INTERVENTIONAL PULMONOLOGY**

Level II

**Department of Experimental and Clinical Medicine (DMSC)**

<b>Course coordinator</b>	Lorenzo Corbetta
<b>Executive Committee</b>	Lorenzo Corbetta Federico Lavorini Sara Tomassetti
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<b>Practical-professional profile of the course and industry sector of reference</b>	<p>This Master Course is an original experience in interventional pulmonology, providing professionalism and valuable qualifications for the professional career of the specialist. The Master Course uses traditional and innovative teaching methods, including manikins, simulators, "real-time" connections with endoscopy rooms, e-learning sessions, and internships in various centers throughout the country.</p> <p>The course will be conducted in Italian, partially translated into English, and published on an E-learning platform.</p> <p>Specifically, the course aims to train Interventional Pneumologists and other specialists interested in bronchoscopic and pleural procedures (anesthesiologists, emergency physicians, ENT, thoracic surgeons) who will be able to find professional outlets in specialized facilities</p> <p>In fact, the Master aims to train a versatile pulmonologist or other specialists interested in the subject with professional skills in diagnostic and operative bronchoscopy, thoracoscopy, and artificial airway management through the synergistic contribution of University and Hospital faculty</p> <p>The Master uses traditional face-to-face and seminar teaching methodologies and innovative methodologies involving virtual reality simulator manikins "real-time" connections with endoscopy rooms, e-learning sessions, videoconferences, and internships in different Centers throughout the country. Lessons will be conducted according to the Flipped Classroom mode, which involves prior consultation on Moodle platform</p> <p>At the end of the course, learners will have acquired the following knowledge and skills:</p> <p>Knowledge: Pulmonary neoplasms and solitary pulmonary nodule Tracheo-bronchial lesion and stenosis Diffuse infiltrative pneumopathies and pulmonary granulomatosis Lung infections COPD and Asthma Pathologies of the pleura and thoracoscopy Emergencies Rare broncho-pulmonary diseases Thoracic-pulmonary pathologies and surgical techniques</p> <p>Skills:</p> <p>Diagnostic Bronchoscopy Procedures Operative Bronchoscopy Procedures Anesthesia in Interventional Pulmonology Pediatric bronchoscopy Pleural procedures Bronchoscopy in Anesthesia and Resuscitation and Respiratory ICU Bronchoscopy in thoracic surgery</p>

<b>Access prerequisites</b>	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 - LM-41 Medicine and Surgery Degree awarded according to a system prior to Ministerial Decree No. 509/1999 in - Medicine and Surgery
<b>How the admission procedure takes place</b>	Selection by academic qualifications
<b>Duration</b>	9 months
<b>Teaching methods</b>	In-person, using the following methodologies: simulation, live sessions televised in the classroom, observation in the endoscopy room  Distance learning, using the following methodologies: demonstration of procedures in e-learning.
<b>Language of instruction</b>	Italian and English
<b>Attendance requirements</b>	minimum 67%
<b>Location of the course</b>	Teaching activities take place at the AOU Careggi Biomedical and Technological Campus, Largo Brambilla, 3 - 50134 Florence, and the Department of Experimental and Clinical Medicine Largo Brambilla 3 - 50134 Florence - 50134 Florence and the Student Hotel Florence OPCO, Viale Spartaco Lavagnini, 70/72, Florence Menarini Foundation Auditorium - Fiesole
<b>Foreseen lecture schedule</b>	Classes will be held one week per month from February to October.
<b>Examinations procedures and schedule</b>	Questionnaire and practical examination on manikins
<b>Final examination</b>	Multiple choice questionnaire

<b>Available places and enrolment fees</b>	
<b>Full-fee students</b>	
<b>Minimum number</b>	8
<b>Maximum Number</b>	60 <sup>i</sup>
<b>Enrolment fee</b>	€3000
<b>Free-of-charge supernumerary places</b>	
<b>UNIFI employees</b>	1
<b>AOU Careggi Employees</b>	1
<b>AOU Meyer Employees</b>	1
<b>USL Toscana Centro Employees</b>	1
<b>SINGLE MODULES</b>	
None planned	

<b>Description of the activities and training objectives of the internship</b>	<ol style="list-style-type: none"> <li>1. Field learning of case management for interventional procedures;</li> <li>2. Interpreting medical tests prior to performing procedures,</li> <li>3. Know and manage operational tools and monitoring tools;</li> <li>4. Teamwork</li> <li>5. Learning the primary skills of performing interventional procedures.</li> </ol> Observational activity. 75 total hours of internship.
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<sup>i</sup> 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.

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<sup>i</sup> As modified with the Degree n. 254 (record 48368 of 3rd March 2023)