

52. DESIGN AND SAFETY OF WORKPLACESⁱ	
Level II	
Department of Civil and Environmental Engineering (DICEA) Jointly with the Department of Architecture (DIDA)	
Course coordinator	Pietro Capone
Executive Committee	Pietro Capone Mario Tucci Carlo Biagini
Contact person for information on teaching organization, class schedule, course content	master's secretariat infomasterpsl@unifi.it Phone 055 275 8864
Practical-professional profile of the course and industry sector of reference	<p>The course aims to provide specialized training in the field of passive workplace prevention for the building and civil construction sector, based on a design approach characterized by a prevalent graphic representation of both safety planning and proposed interventions.</p> <p>The BIM approach is of fundamental importance in training safety design engineers who can find employment opportunities in the construction sector, public administrations, and all workplaces subject to Legislative Decree 81/08. The ultimate goal is the integrated design of workplaces (temporary and permanent), based on coordination between traditional components (architecture, structure, facilities) and safety.</p> <p>To this end, training will be structured into modules developed with in-person lectures alongside workshops based on specific case studies identified annually. Fill out the "study plan" section below</p> <p>At the end of the course, learners will have acquired the following knowledge and skills:</p> <ul style="list-style-type: none"> • Knowledge of workplace design • Knowledge of the Legislative Decree 81/08 • Competencies specific to the prevention and protection service manager • Competencies specific to the construction site safety coordinator • BIM-based design skills
Access prerequisites	<p>Master's degree obtained following the system under Ministerial Decree No. 270/2004 (or specialist degree under Ministerial Decree No. 509/1999 equated under D.I. July 9, 2009) in one of the following classes</p> <ul style="list-style-type: none"> • LM-4 Architecture and Construction Engineering - Architecture; • LM-23 Civil Engineering • LM-24 Building Systems Engineering • LM-35 Environmental and Land Use Engineering <p>Degree awarded according to a system prior to Ministerial Decree No. 509/1999 in</p> <ul style="list-style-type: none"> • Architecture • Civil Engineering • Construction Engineering • Construction Engineering - Architecture • Environmental and Land Use Engineering <p>Degree awarded according to a system prior to Ministerial Decree No. 509/1999 of closely related content, deemed suitable by the Executive Committee or a Commission specifically appointed by it.</p>
How the admission procedure takes place	Selection by academic qualifications
Duration	11 months

Teaching methods	Mixed mode with synchronous distance learning lectures (google meet or Webex) In-person workshop
Language of instruction	Italian
Attendance requirements	70%
Location of the course	University premises
Foreseen lecture schedule	distance learning classes for three Fridays a month (8 hours a day) in-person workshop for one weekend per month (Friday and Saturday, 8 hours per day) 2 in-person workshops of 3-5 days each in the middle and at the end of the teaching period
Examinations procedures and schedule	There will be in-progress tests at the end of each module. They will consist of two multiple-choice tests, two design papers presentations, and one written open-ended test.
Final examination	The final examination consists of the presentation of a paper.

Available places and enrolment fees	
Full-fee students	
Minimum number	6
Maximum number	20
Enrolment fee	€3,500
Free-of-charge supernumerary places	
UNIFI employees	2
Single Modules	
None planned	

Description of the activities and training objectives of the internship	The objectives of the internship are: <ul style="list-style-type: none"> - enable participation in typical work processes of Prevention and Protection Services and Safety Coordination activities at construction sites - allow participation in workplace design processes 125 total hours of hands-on training activities.
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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.