## 52. DESIGN AND SAFETY OF WORKPLACES

**Level II**

**Department of Civil and Environmental Engineering (DICEA)**

*Jointly with the Department of Architecture (DIDA)*

<table>
<thead>
<tr>
<th>Course coordinator</th>
<th>Pietro Capone</th>
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</table>
| 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

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. 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. 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. At the end of the course, learners will have acquired the following knowledge and skills:

- 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

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:

- LM-4 Architecture and Construction Engineering - Architecture
- LM-23 Civil Engineering
- LM-24 Building Systems Engineering
- LM-35 Environmental and Land Use Engineering

Degree awarded according to a system prior to Ministerial Decree No. 509/1999 in:

- Architecture
- Civil Engineering
- Construction Engineering
- Construction Engineering - Architecture
- Environmental and Land Use Engineering

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.

### 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 |
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<tbody>
<tr>
<td><strong>Language of instruction</strong></td>
<td>Italian</td>
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<tr>
<td><strong>Attendance requirements</strong></td>
<td>70%</td>
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<td><strong>Location of the course</strong></td>
<td>University premises</td>
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| **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

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<tr>
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<th><strong>Full-fee students</strong></th>
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<tbody>
<tr>
<td><strong>Minimum number</strong></td>
<td>6</td>
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<tr>
<td><strong>Maximum number</strong></td>
<td>20</td>
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<tr>
<td><strong>Enrolment fee</strong></td>
<td>€3,500</td>
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<th><strong>Free-of-charge supernumerary places</strong></th>
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<td><strong>UNIFI employees</strong></td>
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**Single Modules**  
None planned

| **Description of the activities and training objectives of the internship** | The objectives of the internship are:  
- 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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1 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.