



International Labour Office



International Training Centre



Università di Torino



# Master in Occupational safety and health, 4<sup>th</sup> edition

7 September 2015 – 30 September 2016



International Training Centre



## Rationale

Public and private sector organizations throughout the world are increasingly concerned with improving occupational safety and health (OSH). In both developed and developing countries, the rapid pace of technological change, combined with the persistence of unsafe or environmentally threatening working conditions, has served to focus attention on the need to create a safe, healthy working environment and to promote a new safety culture at the workplace. Organizations increasingly seek OSH professionals who can catalyse these processes, and it is not always easy to find professionals with the right skills.

Becoming a safety and health professional requires multidisciplinary training. The OSH profession calls for a broad-based educational background combined with specialized knowledge in physical sciences (medicine, physics, chemistry and engineering) and social sciences (behaviour, motivation and communication) together with the principles and concepts of management.

Accordingly, the University of Turin, Italy, in partnership with the International Training Centre of the International Labour Organization (ITC-ILO), the International Labour Office (ILO) and the International Commission of Occupational Health (ICOH) is offering a Master course in Occupational Safety and Health. This one-year programme, to be held in English, includes an Internet-based distance learning phase, a face-to-face residential period on the ITC/ILO's campus in Turin followed by another distance phase for the preparation of the dissertation.

The proposed programme combines the advantages of the academic experience and the international training experience in OSH of the organizing partners. An international approach has been applied to the contents, the methodology development as well as to the composition of the training team.

This programme is addressed to participants of both developing and developed countries, who will thus have an opportunity to share their different experiences. Furthermore, it also

offers a range of learning situations in which participants can enhance their analytical and problem solving skills.

OSH professionals need a multidisciplinary background to successfully operate in the broad field of OSH, therefore the programme incorporates training sessions on all the topics and disciplines relevant to OSH. The training focuses not only on OSH issues but also on the development of organizational, managerial and interpersonal skills. Study visits to 15 different productive settings are planned in order to offer direct interaction with experts in the field.



## Objectives

### General objective

- Develop the required competences for managing effectively the safety and health.

### Specific objectives

At the end of the master programme, participants will be able to:

- Organize the efforts of an enterprise to improve its OSH.
- Formulate, implement and evaluate a safety and health management system for an enterprise, incorporating essential OSH concepts and fundamental techniques of OSH management.
- Manage the resources to conduct all prevention activities are required in an OSH management system.
- Advise employers and workers on OSH technical requirements of OSH and on the decisions to be made for an adequate management of the OSH.



## Participants Profile and Requirements

### Participants' profile

The course has been specifically designed for hygienists, physicians, chemists, engineers,

inspectors, practitioners and officers with a university degree but without previous specialization in OSH, who are working, or wish to work, as OSH specialists.

## Participants' requirements

The following are essential for admission to this programme:

- hold a first university degree (BA) of minimum three years duration\*
- a working knowledge of spoken and written English;
- the ability and access to use computers and Internet.



## Contents, Methodology and Resources

The master course will have three phases, one consisting of 20 weeks online distance learning, another consisting of 11 weeks residential training at the ITC/ILO campus in Turin, Italy and another distance phase of 21 weeks for the preparation of the dissertation.

### 1st Phase: Preparatory Internet-based distance learning (550 hours).

Participants will have access to an on-line platform through which they will learn in an individual way. They will receive support from tutors with expertise in the subject matter; participate in a forum, use the documentation centre, and network.

Participants will be introduced to the fundamentals and basic concepts of the OSH through the following eight modules:

- Module A1: Introduction to the occupational safety and health.
- Module A2: Occupational Safety.
- Module A3: Occupational Hygiene.
- Module A4: Occupational Medicine.
- Module A5: Occupational Psychosociology and Ergonomics.
- Module A6: Organization of OSH at the national level.

- Module A7: Participatory approaches for the improvement of the working conditions.
- Module A8: Organization of OSH at the enterprise level.

This phase is preparatory. It will enable participants with different levels and fields of knowledge to reach an adequate and homogeneous level for taking advantage of the residential phase.

### 2nd Phase: Residential phase of Turin (550 hours).

This phase will include classroom training (315 hours), study visits to selected enterprises and related training sessions (125 hours), and 110 hours of assessment.

Instructors will use lectures, discussions, exercises and other interactive learning activities to strike a balance between theory and practice and to stimulate discussion among the participants and professors. A practical approach based on the analysis and resolution of OSH issues will be taken.

The contents are split into 11 topics (one for each week). The modules in this phase are:

- Module 1: Safety techniques.
- Module 2: Management competences.
- Module 3: Major hazard control.
- Module 4: OSH management systems.
- Module 5: Physical agents.
- Module 6: Occupational hygiene techniques.
- Module 7: Occupational toxicology and medicine.
- Module 8: Ergonomics.
- Module 9: Psychosocial factors & health promotion.
- Module 10: Teaching skills.
- Module 11: Organization and management

\*IMPORTANT: The validity of non-Italian degrees must be recognized under Italian law and regulations.

### 3rd Phase: Preparation of Master thesis (400 hours).

Participants will work individually in their country for the preparation of their Master thesis, assisted at distance by tutors and professors with OSH expertise.

### Study Visits

Technical visits to industries and other productive sectors will provide the opportunity for discussing with professionals in OSH management in various environments. Training sessions will also provide additional detailed explanation of risks and preventive measures adopted in the 13 enterprises from different sectors visited.

### Documentation

Participants will receive follow-up documentation with which to expand their knowledge of the topics. A bibliography and links section will be incorporated into the virtual platform for the distance learning phase.



### Faculty

The teaching team will be selected for its professional experience and subject knowledge. It will consist of academic resource persons and OSH practitioners:

- senior professors from the University of Turin and other renowned universities;
- OSH experts from the ILO and other organizations;
- OSH specialists from enterprises;
- Specialist tutors who will support and interact with the participants throughout the programme.



### Diploma

A first level Master diploma from the University of Turin (60 certified university

credits) will be awarded to those participants who fulfil all following conditions:

- satisfy the administrative and documentary requirements of the University of Turin;
- satisfy the attendance requirements. (Attendance at all training sessions during the residential phase is compulsory. Only participants with at least 95% attendance of training sessions will be entitled to apply for the diploma).
- submit the assignments within the set deadline and the quality requirements;
- pass the prescribed examinations demonstrating the level of competence required by the scientific committee.



### Conditions of participation

#### Language, duration and venue

The programme will be held in English and will last around one year with the following timetable:

- distance learning: from 7 September 2015 to 8 January 2016;
- residential phase: from 11 January to 24 March 2016;
- distance: preparation and submission of the thesis. The dissertation is to be completed before the end of August 2016.

The residential phase of the programme will be held at the campus of the ITC-ILO in Turin, Italy.

#### Training cost

The training cost in the Master course is Euro 7,750 payable in advance by the participant or his/her sponsoring organization. It includes:

- tuition fees
- training materials and books
- transport during the study visits
- use of training facilities and support services.

Accommodation and international and local transport for the period in Turin are not included in the cost of participation.

## Accommodation and subsistence cost

The campus of ITC/ILO has residential and catering facilities.

The cost of accommodation and subsistence in the residential and catering facilities in the campus of ITC/ILO is Euro 4,200 payable in advance by the participant or his/her sponsoring organization. It includes:

- accommodation in a single room, laundry service and full board (a daily credit of 15 Euro for lunch and dinner) at the ITC-ILO Campus during the residential phase of 11 weeks;
- the use of the facilities for recreation and sports at the Centre's campus; and,
- routine medical care and insurance.

## Applications

People interested in participating to this course should complete and submit the application form ONLINE available on the website:

[http://intranetp.itcilo.org/STF/A978038\(C\)/en](http://intranetp.itcilo.org/STF/A978038(C)/en)

Applications should be accompanied by a nomination letter from the sponsoring institution indicating its commitment to finance the costs of participation.

### **VERY IMPORTANT:**

Before you apply for this master course, please make sure that you match the participants' profile, fulfil the participation's requirements and you have the support of a sponsor.



## Deadline for application:

30 May 2015.

## Fellowships

A number of partial fellowships are available only for participants from developing countries on a competitive basis. These available fellowships for a value of Euro 4,200 will cover the residential and catering package on the campus of ITC/ILO.

The training costs, the transport from/ to a participant's country of origin for the residential phase in Turin, and any other costs are not covered by the partial fellowships. It must therefore be funded by another sponsor or by participants themselves.

If you wish to apply for one of the partial fellowships, please specify this on the application form. In this case, applications should be accompanied by a nomination letter from the sponsoring institution indicating its commitment to finance the costs not covered by the partial fellowship.

## Eligibility criteria

The selection of participants for this programme, as well as the awarding of fellowships, will be made by a Selection Committee consisting of ITC/ILO and Turin University representatives. It will inform candidates on their eventual selection as participants in the course and on the awarding of the partial fellowships.

The selection committee shall place no restrictions on the eligibility of men and women to participate, under conditions of equality, in the programme. The selection criteria will include academic and professional qualifications, experience, organization of origin, country of origin, and gender balance.

The course will not take place with fewer than 17 participants. The maximum number of participants will be 35.



## The ILO Turin Centre's facilities

Located in Turin, the city of the 2006 Winter Olympic Games, in an attractive park on the banks of the River Po, the Centre's campus provides a congenial environment in which to live and study.

It contains 21 pavilions with fully equipped modern classrooms, conference halls and meeting rooms fitted out for multilingual simultaneous interpretation, a computer laboratory, and a computerized documentation centre linked to various data banks.

The campus has 210 single fully serviced bedrooms, 66 double bedrooms and 12 suites, each with private bathroom, telephone, 24h free internet access and flat screen television. It also has:

- a reception desk open 24 hours a day
- a restaurant, a self-service canteen and a coffee lounge, all catering for international dietary needs
- a bank
- a travel agency
- a laundry service
- a post office
- two gyms
- facilities for outdoor sports (football and tennis)
- a medical service

Social events are regularly held both on and off campus, so that participants from different cultural backgrounds can make the most of a stimulating international environment.

**For further information and any request  
please contact us at**

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cover design Luca Fiore – Printed by the International  
Training Centre of the ILO, Turin, Italy



Made of paper awarded the European Union Eco-label,  
reg.nr FR/011/002, supplied by International Paper.