



University Campus LITA, Hospital "L. Sacco"

A NEW EDUCATION FOR A NEW ENLARGING EUROPE

International Collaborations

Teachers and Tutors include experts from European Universities and International Institutions:

- University of Milan
- University of Milan Bicocca
- University of Insubria
- University of Kuopio
- International Centre for Pesticides and Health Risk Prevention, Milan
- International Centre for Rural Health, Milan
- University Hospital "L. Sacco", Milan
- University Hospital "San Paolo", Milan
- Joint Research Centre, Institute for Health and Consumer Protection – European Commission
- WHO – European Centre for Environment and Health, Rome
- National Public Health Institute of Finland

General information

All courses are in English.

Start of the Course: **November 2009**.

Final exam: **July 2010**.

Admissions: minimum **10** students.

Selection: based on personal curriculum and interview.

Tuition fee: 4,000 €.

Scholarships will be available upon merit.

Call for application will appear in July and will close on September 2009

For further details see: <http://users.unimi.it/euma2312>

Steering Board

. Paolo Carrer (co-ordinator), Claudio Colosio, Angelo Moretto - Dept. Occupational Environmental Health, Faculty of Medicine, University of Milan

. Corrado Galli - Dept. Pharmacological Sciences, Faculty of Pharmacy, University of Milan

. Domenico Cavallo - Dept. Chemical and Environmental Sciences, Faculty of Science, University of Insubria - Como

. Marco Vighi - Dept. Environmental Sciences, Faculty of Science, University of Milan Bicocca

. Christian Schlitt - International Centre for Pesticides and Health Risk Prevention, Milan

Contacts

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UNIVERSITÀ DEGLI STUDI
DI MILANO

The Master is promoted by the Department of Occupational and Environmental Health and by the Department of Pharmacological Sciences in collaboration with European universities, international organizations and companies

MASTER IN RISK ASSESSMENT AND RISK ANALYSIS

NOVEMBER 2009 – JULY 2010

3rd Edition

The Master aims to provide a special qualification in human and environmental risk assessment and risk analysis

Presentation

The Master in Risk Assessment and Risk Analysis is a master course organised by the University of Milan

- **Department of Occupational and Environmental Health – Faculty of Medicine**
- **Department of Pharmacological Sciences – Faculty of Pharmacy**

with the collaboration of

- **University of Milan Bicocca – Department of Environmental Sciences**
- **University of Insubria – Department of Chemical and Environmental Sciences**
- **International Centre for Pesticides and Health Risk Prevention (ICPS)**

Governments, agencies and the private sectors are in increasing demand of qualified professionals. Risk assessment is required for an increasing range of commercial products and processes as well as for environmental contaminants. In this context, the Master proposes a curriculum for post-graduate education and training in Risk Assessment and Risk Analysis, with particular emphasis to the European scenario.

This is the 3rd edition of the Master Course, that has been promoted and co-ordinated in the first edition by Prof. Marco Maroni.

Most of the participants in the previous editions are currently employed in the field of Risk Assessment.

Target

The Master is addressed to graduates and professionals wishing to specialise and take up a career in Risk Assessment and Risk Analysis.

Full Master Course for post- graduated students Accepted degrees

Bachelor degree in Medicine and Surgery; Veterinary Medicine; Pharmacy and Pharmacological Sciences; Pharmaceutical Technologies and Sciences; Biotechnologies; Biology; Biomedical, Chemical, and Environmental Engineering; Geology; Chemistry; Physics; Natural Sciences; Environmental Sciences; Agro-alimentary Technologies and Sciences; Animal Production Technologies and Sciences; Statistics.
For the exhaustive list see the Call for Application.

Programme

Start of the Course: Milan, November 2009 Duration: 8 months full time

Mode of delivery:

- 500 hours of theoretical lectures, exercises, work groups, seminars, guided visits to laboratories and institutions operating in the field of risk assessment;
- 300 hours of practical training at European public institutions and universities, international organizations, or private companies;

Didactic activities will take place mainly in Milan at Vialba University Campus (LITA) of the “Luigi Sacco” Hospital. Field visits and practical trainings will be organized at scientific institutions or companies.

Educational contents

Courses are delivered by leading European experts in Risk Assessment and Risk Analysis.

The **Didactic Programme** of the Course will be structured into the following modules:

- **Basic Sciences**
- **Toxicology**
- **Ecotoxicology**
- **Biostatistics and Epidemiology**
- **Human Risk Assessment of Chemicals**
- **Environmental Risk Assessment of Chemicals**
- **Biological Risk Assessment**
- **Physical Risk Assessment**
- **Legislation - REACH**
- **Risk Management and Communication**

Special focus is on applications of Risk Assessment and Risk Management to:

- Occupational exposure
- Indoor and outdoor air pollutants
- Water and soil pollutants
- Pesticides and biocides
- Food additives and contaminants
- Chemicals in consumer products
- Emergent biological hazards
- Genetically modified organisms

Practical training includes:

- *performance of risk assessment for workers, operators, consumers, environment;*
- *case studies for substances of interest;*
- *literature surveys on subjects related to risk assessment;*
- *assessment of dossiers prepared for registration.*

During the practical training, students have to prepare a thesis work to be defended at the final examination.
