



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
- WHO – IPCS, Geneva
- National Public Health Institute of Finland

### General information

All courses are in English.

Start of the Course: **November 3<sup>rd</sup>**, 2008.

Final exam: July 2009.

Admissions: maximum **20** students.

Selection: based on personal curriculum and interview.

**Tuition fee: 3,500 €.**

Scholarships of 1,500 € will be available upon merit.

Call for application will close on **30<sup>th</sup> September 2008.**

**Warning: foreign students whose bachelor degree has not the "Diploma Supplement" must contact the Italian Embassy in their country within the 10<sup>th</sup> September.**

Application form available at:

<http://www.unimi.it/studenti/master/31714.htm>

For further details see Master web sites at:

<http://users.unimi.it/euma2312>

#### Steering Board

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

. Corrado Galli, Marina Marinovich - 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

#### Contacts

##### Organizing Secretariat

Sabrina Braiati, Patrizia Urso (webmaster)

##### Scientific Secretariat

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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 2008 – JULY 2009**

**3<sup>rd</sup> Edition**

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

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## Presentation

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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 3<sup>rd</sup> 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.

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## Target

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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.

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## Programme

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**Start of the Course: Milan, 3<sup>rd</sup> November 2008**  
**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 Hospital “Luigi Sacco”. Field visits and practical trainings will be organized at scientific institutions or companies.

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## Educational contents

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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**
- **Risk Management and Communication**
- **Legislation - REACH**

**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.

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