

Short & Professional Courses del Centro di Geotecnologie

- Law and proceedings for renewable energies
- Solar thermal (low temperature)
- Photovoltaic plants: design and implementation
- Wind plants: design and implementation
- Geothermal Heat-Pump: design, installation and testing
- Building energy behavior and certification
- Medium and high enthalpy geothermal resource
- Environmental characterization, remediation methods for contaminated sites and risk analysis
- Controlled landfill design
- Environmental impact assessment and monitoring of major public works
- Management aspects of landfills
- Normative references in environmental setting
- Environmental geostatistics
- Reclamation of contaminated sites through bioremediation methods
- Hydrogeological codes
- Hydrogeological survey and monitoring
- Geoenvironmental modelling
- Geoenvironmental applications of remote-sensing

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UNIVERSITÀ
DI SIENA
1240

green
courses

Academic year 2013/14

USiena
sostenibilità



First cycle degree

Natural and Environmental Sciences

The primary objective of the Natural Sciences specialization is to provide knowledge of analytical techniques and methodologies with which to interpret the environment, especially that most heavily affected by human activity.

Second cycle degrees

Economics

The specialization in Environment and Development Economics provides in-depth knowledge of methodologies and instruments of analysis on environmental issues, for the sustainable use and enhancement of natural environmental resources and historical and cultural heritage.

Ecotoxicology and Environmental Sustainability

The primary objective of the course is to provide students with in-depth knowledge in the fields of ecotoxicology and environmental sustainability analyses.

Doctoral research programme

Doctoral programme in Earth, Environmental and Polar Sciences

The specialization in Environmental Sciences and Ecotoxicology seeks to provide researchers with systemic and interdisciplinary knowledge and excellent science process skills for the analysis of components and factors of processes, systems and problems regarding the natural and man-modified environment.

2nd level Masters

Government, business and consumer ethics

Provides skills in the sector of consumer protection and social responsibility, and a good grounding in the area of government and business ethics in particular.

Environmental Geotechnologies

It trains highly specialized professionals, qualified to give adequate answers to a public and private market who need to plan and manage actions in the environmental sector.

Energy saving applied to buildings (REA - ENERGY)

The course is aimed to train a technician able to manage the design and implementation steps of low, medium and high power plants such as photovoltaic, solar thermal, wind and geothermal systems.

Geographic Information Systems and Remote Sensing (SITT)

The population growth and exploitation of natural resources require a sustainable policy for managing environmental quality and standards of living. Planners, managers and technicians are increasingly focusing on more complex Geographic Information Systems (GIS) for the evaluation of resources and environmental conditions.

Integrated evaluation of marine and coastal environment quality, management and conservation

Trains professionals to perform activities regarding the monitoring and conservation of marine environments, the evaluation of human impact on coastal and pelagic ecosystems, and the sustainable management of marine environmental resources.

Summer school

Sustainable Architecture Summer School

Studies in depth the topics of sustainable planning, knowledge of and respect for the territory, and energy efficiency.

Training course

Protection and management of drinking water

Deals with the subject from an interdisciplinary viewpoint, from water disinfection and purification techniques to the management of aquifers at ecosystem level; from the main processes of pollution and deterioration to risks for human health.



The University of Siena also offers numerous other individual courses on sustainability and environment-related issues. See the list of courses available in 2013/2014.