

This 6-month course covers environmental management as an integrated interdisciplinary field. The curriculum is organized in modules comprising issues of conservation and restoration ecology, water and atmosphere, soil and land resources, sustainable urban and regional development, waste management and circular economy, renewable energy and energy efficiency. The lectures are given by professors of Technische Universität Dresden as well as experts from various national and international institutions. A multitude of excursions are also part of the course to illustrate environmental problems and exemplify successfully integrated environmental management practices. Participants are required to carry out a profound research on a specific environment related subject and present the results of this work in a symposium at the end of the course.

Objectives: Participants acquire the ability to develop interdisciplinary strategies for sustainable development and to take appropriate measures for an environmental protection that takes ecological, socio-economic and cultural aspects into account.

Target Groups: This course is particularly designed for decision-makers of public administration both at national and local level requiring an overall-competence in environmental matters. To gain the optimum from this training course, a first university degree (BA, BSc, e.g.) is absolutely indispensable. The nomination by the delegating institution is a mandatory prerequisite.

Duration: 10 January - 12 July, 2017

Participants having successfully completed this course are awarded a Diploma of Environmental Management..

CHARACTERISTICS OF OUR COURSES

Our courses are designed to prepare the participants for their tasks of environment-related planning, coordination and management within ministries, agencies and local governments as well as NGOs of their home countries. The participants have several years of course relevant professional experience.

APPLICATION & PARTICIPATION

Call for applications: **04 April – 09 June 2016** via online-application-platform:

www.cipsem-apply.de

Our International Steering Committee selects **21 participants** for every course by August 2016.

Participants stay in our comfortable private studio **apartments** and receive a **stipend** of 450 Euro per month to cover basic living expenses. Flights, health insurance etc. are provided. Our course office provides manifold **assistance**.

CONTACT DETAILS

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 CIPSEM

ENVIRONMENTAL MANAGEMENT
TRAINING PROGRAMME
FOR DEVELOPING AND EMERGING
COUNTRIES

2016/17 courses

www.tu-dresden.de/cipsem

Technische Universität Dresden
CIPSEM – Centre for International Postgraduate
Studies of Environmental Management

supported by



Federal Ministry for the
Environment, Nature Conservation,
Building and Nuclear Safety

Umwelt
Bundesamt

68TH SHORT COURSE ON INTEGRATED WATER RESOURCE MANAGEMENT AND HEALTH (SC68)

August 31 – September 23, 2016

Without change in the present trends, a growing part of the global population could live under water stressed conditions. The problem is aggravated by a higher likelihood of extreme hydrological events as a consequence of climate change. At the same time, access to safe drinking water and water borne diseases continue to be challenges. Water is also essential to the viability of all the world's ecosystems. Their health in turn is crucial to both the quality and quantity of water supply. This course therefore constitutes a contribution to environmental capacity building for the protection and sustainable use of the available water resources as outlined in target 6 of the agenda 2030, with emphasis on human health issues. The course addresses both water quantity and quality issues within an integrated water management, covering effective regulations, robust policies and appropriate technologies. The curriculum comprises lectures, seminars, site visits and excursions on aspects like: the water cycle (hydrology, groundwater, surface water), urban water (water infrastructure, water purification and distribution, waste water treatment), water borne diseases and monitoring frameworks.

Objectives:

Participants are expected to adapt new concepts for an integrated water management. After the completion of this course they should be able to actively contribute to the sustainable use of water resources in their respective countries with special consideration of health issues.

Target Groups:

This course is especially designed to meet the professional demand of experts and decision makers working in environment protection with special focus on safeguarding water resources. A corresponding professional background (geology, geography, hydrology, meteorology, hydro engineering, planning) is essential. The nomination by the delegating institution is a mandatory prerequisite.

Participants successfully completing this course will be awarded a Certificate of Proficiency in Integrated Water Resource Management and Health.

69TH SHORT COURSE ON RENEWABLE ENERGY AND ENERGY EFFICIENCY (SC69)

October 05 – November 02, 2016

Nowadays, one third of the world's population has limited access to energy supplies. Taking population and economic growth rates into consideration, world energy demand will rise by an estimated two thirds in the next three decades. Thereby, the energy sector accounts for 50% of the man-made green-house effect. Hence any serious action programme to combat climate change has to concentrate on measures which lead to improved energy efficiency as well as to expansion of renewable energy such as solar power, wind power, biomass, geothermal power and hydropower. The course will focus on renewable energy technologies, their implementation and impact on the environment. Engineering as well as social, economic and legal aspects will be covered. Site visits to hands-on examples will demonstrate the potential and feasibility of a sustainable energy supply, based on "renewables".

Objectives

After the course participants have acquired professional skills and knowledge on assessing the energy demand and supply situation in their countries. They will be able to actively contribute to the drafting of appropriate national energy strategies, taking the renewable energy potential of their countries into account.

Target Groups

The course will be most beneficial to specialists at upper managerial level with a profound professional experience in energy management, urban infrastructure development, public utilities as well as the power industry. The nomination by the delegating institution is a mandatory prerequisite.

Participants successfully completing this course will be awarded a Certificate of Proficiency in Renewable Energy and Energy Efficiency.

*Impressions from previous courses:
>> www.cipseu.wordpress.com*

70TH SHORT COURSE ON SUSTAINABLE CITIES (SC70)

November 17 – December 13, 2016

Good environmental governance at global, regional, national and local levels is essential for achieving the Sustainable Development Goals (SDGs). By now, one-half of the world's population is living in urban areas. Already today 70% of the world's urban population lives in Africa, Asia and Latin America. The ecological footprint of cities as an indicator of sustainability continues to grow and demands urgent rethinking of current urban development practices. The course will focus on the interaction between all stakeholders in Local Agenda 21 processes, implementation of these processes and impact on the environment. Engineering as well as social, economic and legal aspects will be covered. Role plays and group work will be used to demonstrate the importance of public participation in urban environmental governance. Besides the institutional framework of urban governance, the course curriculum includes modules on technical infrastructure development for energy, drinking water, waste water, transport and solid waste, and housing. The lectures and workshops are mainly held by internationally renowned professors of Technische Universität Dresden as well as of the Leibniz-Institute of Ecological and Regional Development Dresden (IOER). Site visits and excursions to Berlin and other German cities will demonstrate problems and successes of urban environmental governance.

Objectives

Participants are expected to acquire knowledge as well as environmental communication and mediation skills to be able to contribute to a sustainable development of urban communities and the energy management in their respective countries.

Target Groups

This course is designed mainly for managers and decision-makers with pertinent professional experience in urban land use management and planning. The nomination by the delegating institution is mandatory.

Participants successfully completing this course will be awarded a Certificate of Proficiency in Sustainable Cities.