

50th Short Course on Nature Protection and Conservation of Biodiversity (SC 50)

The conservation and sustainable use of biological diversity are essential elements of sustainable development strategies at all levels. But in spite of the 1993 UN Convention on Biological Diversity (CBD) as the key management instrument the current extinction rates are considerably greater than natural extinction rates and little progress has been made to meet the 2010 targets.

The course will therefore focus on the one hand on values of biodiversity, and causes as well as consequences of biodiversity loss and on the other hand on the CBD including the Conference of Parties (COP). The conservation of natural resources by sustainable land use management, by establishment of protected area networks and by ex situ-activities will be covered as well. Issues for in-depth discussions are the Ecosystem approach, agricultural and forest biodiversity, the Global Strategy for Plant Conservation, invasive alien species and incentive measures.

Excursions to the International Academy for Nature Conservation on the Isle of Vilm (Baltic Sea), to various protected areas (Biosphere Reserve, National Park, SCI of NATURA 2000 of the EU), Botanical Gardens and Gene Banks are part of the curriculum and are to inform about latest developments in the field of biodiversity management. The lectures are mainly held by internationally renowned professors of Technische Universität Dresden as well as experts of the Federal Agency for Nature Conservation.

Objectives:

Participants are expected to acquire knowledge on international agreements on biodiversity and habitat conservation as well as on new concepts, methods and tools for ecosystem management. After having participated in this course they are able to actively contribute to the assessment, monitoring, conservation and sustainable use of biological diversity and thus to the implementation of the CBD in their respective countries.

Target Groups:

This course addresses mainly experts, managers and decision-makers working in fields of environment protection with special focus on nature conservation, ecosystem management and land use planning, including nature-compatible tourism development.

Award:

Participants successfully completing this course are awarded a Certificate of Proficiency in Conservation of Biodiversity.

Allowance:

EUR 450.-, sufficient to cover all basic living expenses during the course and additional allowances of Euro 50.- to settle in, as well as Euro 50.- to send home books, etc.

Duration: 7 September – 1 October 2010

51st Short Course on Climate Change Adaptation: Soil and Water (SC 51)

Water and soil are connected inseparably. Water erosion (56%) is a main factor for soil degradation; on the other hand without water the viability of the ecosystem earth would not exist. This dependency comes along with the fact, that water is a finite and vulnerable resource. In spite of the considerable progress since 1990, one third of the global population lives under water stress conditions and if there is no change in the present trends, by 2025 two thirds will have to face serious water problems. The availability of water in the face of exponentially increasing demand indicates the potential for conflicts both within and among states over water resources. Furthermore, it is estimated that 23% of Earth's usable land has been affected by degradation to a degree sufficient to reduce productivity. In the context of a growing population this represents an enormous threat. Another threat results from climate change. According to climate projections for the coming decades rainfall patterns will undergo distinct changes. Hence, extreme events such as droughts and floods will increase in intensity and frequency that requires adequate adaptation strategies.

The course will focus on causes and dimensions of soil and water conservation as well as on aspects of integrated watershed management. On the other hand, strategies for the protection of soils by a sustainable land-use management will be discussed, but also principles of irrigation, reservoir design, and drinking water distribution will be highlighted. Excursions to various sites will inform about the latest developments in the field of soil and water management. The lectures are held by internationally renowned professors of Technische Universität Dresden and experts from other environmental institutions in Germany and abroad.

Objectives:

Participants are expected to acquire knowledge and skills to be able to contribute to the development of integrated sound strategies towards land-use, soil-, and water-management.

Target Groups:

This course is designed mainly for managers and decision-makers with pertinent professional experience in environment protection with special focus on land-use, agriculture, forestry, rural planning, soil and water management. A corresponding professional background is a prerequisite.

Award:

Participants successfully completing this course are awarded a Certificate of Proficiency in Climate Change Adaptation: Soil and Water.

Allowance:

EUR 450.-, sufficient to cover all basic living expenses during the course and additional allowances of Euro 50.- to settle in, as well as Euro 50.- to send home books, etc.

Duration: 18 October - 11 November 2010

52nd Short Course on Environmental Urban Design (SC 52)

Often the 21st century is called the „century of cities“. By 2050, two thirds of the world population are forecast to live in urban areas. This urbanisation process is accompanied by climatic, demographic and economic changes, which challenge the sustainable urban design of cities. In addition, historic developments, cultural aspects and geographical situations create different preconditions to adapt the urban design to future needs.

Urban design connects people and places, movement and urban form as well as natural and the built fabric. It creates a framework that arranges the elements into networks of streets, blocks and squares in order to sustain the organism of cities or regions. Therefore, urban design includes several place-making subjects, for instance urban land use planning, landscape architecture, structural design, traffic planning, land division and technical infrastructure.

This course on environmental urban design will deal with the constructional and spatial development of cities while recognising and understanding the correlation between technical, political, social and economic questions. Furthermore, the abilities to recognise and define urban problems, but also to investigate the structure, form and character of urban places will be developed through this course. Thereby, the lectures and seminars contain urban design issues from the district level to the regional level. Supporting the theoretical approaches of urban design, the curriculum includes excursions and site visits to recent projects in Dresden and other cities in Germany.

Objectives:

Participants are expected to acquire knowledge and skills to be able to contribute to the development of issues for a sustainable urban design concerning different scales and various functions in their respective countries.

Target Groups:

This course is designed mainly for managers and decision-makers with pertinent professional experience in city planning, architecture and infrastructure development or civil engineering.

Award:

Participants successfully completing this course are awarded a Certificate of Proficiency in Environmental Urban Design.

Allowance:

EUR 450.-, sufficient to cover all basic living expenses during the course and additional allowances of Euro 50.- to settle in, as well as Euro 50.- to send home books, etc.

Duration: 23 November - 16 December 2010

34th International Postgraduate Course on Environmental Management for Developing and Emerging Countries (EM 34)

This 6-month course covers environmental management as an integrated interdisciplinary field. Therefore a broad range of topics is offered. The curriculum is organized in modules comprising issues of global sustainable development, environmental governance, environmental security, environmental economics and accounting, environmental awareness and public participation, applied ecology and ecosystem management, conservation of biodiversity, water management, recycling and waste management, energy for sustainable development, environmental assessment and environmental management systems, cleaner production and products and eco-efficiency, sustainable mobility, sustainable tourism as well as rural and urban land use planning. To provide survival knowledge of the German language a crash course is part of the programme. The lectures are held by professors of Technische Universität Dresden as well as experts from various national and international institutions.

A multitude of excursions to protected areas, industrial plants, public utilities for energy, water supply, waste water treatment, as well as waste recycling and disposal plants, environmental agencies and administrations etc. round off the course. They illustrate environmental problems and give ideas of successfully applied 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 research 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.

Award:

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

Allowance:

Euro 450.- per month, sufficient to cover all basic living expenses during the course and additional allowances of Euro 100.- in January to settle in, as well as Euro 150.- in July to send home books, etc.

Duration: 17 January - 15 July 2011

General Aspects

All courses are jointly organized and sponsored by:

- United Nations Environment Programme (UNEP);
- United Nations Educational, Scientific and Cultural Organization (UNESCO);
- Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU), Germany;
- Federal Environmental Agency (UBA), Germany;
- Technische Universität Dresden (TU Dresden), Germany.

Candidates selected by the International Steering Committee are awarded a fellowship granted by the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Germany.

Each fellowship includes:

- A non-re-routable, economy return air ticket from a major airport in the country of residence to Dresden;
- Accommodation in a single study bedroom with telephone and computer, private shower, kitchenette with cooking utensils and refrigerator;
- Registration and tuition fees for the course;
- Health and accident insurance;
- Allowance according to the duration of the course, but sufficient to cover all basic living expenses.

All courses will be held in English. Therefore, a good command of the English language is a prerequisite for attending the programme. The preferable age of participants is between 25 and 45 years. Participants must possess valid travel documents. Straight after being awarded a stipend they should contact the German Embassy to obtain the necessary visa. The visa application procedure may take up to 10 weeks.

Applications for any of the above courses have to reach the course secretariat by 1st June 2010.

For further information or application documents, please visit our homepage (www.tu-dresden.de/cipsem) or contact the Course Secretariat:

Mailing Address:

Technische Universität Dresden
UNEP/UNESCO/BMU International Training
Programme on Environmental Management
D-01062 Dresden
Federal Republic of Germany

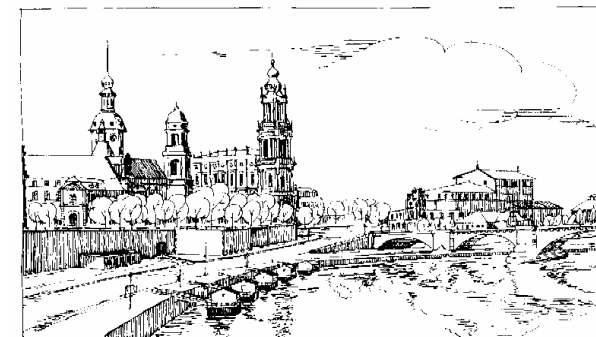
Phone: ++49 - 351 - 497 99 10, -11, -22, -23
Fax: ++49 - 351 - 495 12 15

E-mail: unep@mailbox.tu-dresden.de

URL: www.tu-dresden.de/cipsem

UNEP/UNESCO/BMU INTERNATIONAL POSTGRADUATE TRAINING PROGRAMME ON ENVIRONMENTAL MANAGEMENT FOR DEVELOPING AND EMERGING COUNTRIES

COURSE PROGRAMME 2010/2011



WWW.TU-DRESDEN.DE/CIPSEM



Federal Ministry for the
Environment, Nature Conservation
and Nuclear Safety