41th International Postgraduate Course on Environmental Management for Developing and Emerging Countries (EM41)

TECHNISCHE UNIVERSITÄT DRESDEN

Faculty of Environmental Sciences

Application: 03 April - 01 July, 2017
Notification of acceptance: September 2017
Course period: 10 January - 12 July, 2018

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.

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

Apply via online-application-platform during the application periods for each course:

www.cipsem-apply.de

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

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

Head of Curriculum Committee
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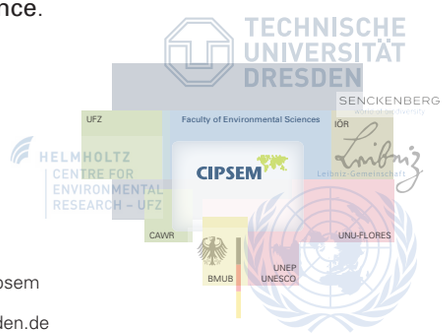

CIPSEM

ENVIRONMENTAL MANAGEMENT TRAINING PROGRAMME FOR DEVELOPING AND EMERGING COUNTRIES

2017/18 courses

www.tu-dresden.de/cipsem

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

supported by

UNEP

UNESCO United Nations Educational, Scientific and Cultural Organization

UNEP/UNESCO/BMUB course programme

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

Umwelt Bundesamt

71ST SHORT COURSE ON ECOSYSTEM MANAGEMENT – BIODIVERSITY CONSERVATION AND ECOSYSTEM SERVICES

application: 20 February 2017 - 13 April 2017
course period: 30 August - 26 September 2017

In a time of global biodiversity loss and climate change with rising pressures on ecosystems and the services they provide for human well-being, our societies are in urgent need to improve the management on the human-biosphere interface. The course will cover important ecosystem assessments, introduce participants to a range of different methodologies from the natural and social sciences methodologies of assessing and valuing ecosystem services in different societal contexts and convey basics of biodiversity and ecosystem governance. This knowledge is crucial for the conservation and sustainable use of biodiversity, ecological restoration, and the continued provision of ecosystem services for human well-being. It is essential for public and private decision-making and part of the agendas of many institutions including intergovernmental organisations, federal, state, and local governments, non-profit environmental protection and further advocacy organisations, as well as business and private consulting firms.

Objectives:

This course will train participants in important concepts and methods in the field of biodiversity conservation and ecosystem services research and governance. The combination of participatory methods, expert knowledge and methods to design, implement and monitor sound management strategies at different scales provide the necessary tools to approach the impacts of biodiversity loss in the context of ecosystems and the services they provide. Participants will be introduced to state-of-the-art ecological theory and learn to apply this knowledge within a socio-economic framework.

Target Groups:

This course is designed mainly for managers and decision-makers with a biodiversity-related background. To be eligible for this training course, a first university degree (BA, BSc, e.g.) is absolutely indispensable as well as the ability to communicate actively and efficiently in English. 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.

72ND SHORT COURSE ON SOIL & LAND RESOURCES FOR SUSTAINABLE DEVELOPMENT (SC72)

application: 01 March - 02 May 2017
course period: 11 October - 03 November 2017

Water and soils are limited and endangered resources. It is estimated that at least a quarter of the usable earth surface is affected by strong degradation to an extent which is substantially reducing the potential production of biomass for food, feeding as well as for resources for materials and bioenergy. In the context of a growing world population this is a serious threat. While the world population in the past four decades grew from 3 to over 7.4 billion people, the agricultural area increased by only 8%, mainly through the transformation of forest into arable land. Land consumption through urbanization is further reducing the fertile cultivation area while changing rainfall patterns and temperature distributions will pose additional challanges in many parts of the world.

Objectives

Participants will deal intensively with the connections between land use and nutrient cycles in the context of water catchment areas and at a global level. They will be enabled to develop concepts for soil and water protection as an integral part of sustainable land management. Material flows are considered at the landscape level and at a global scale and illustrated by means of a practical case study. Thereby, the influence of energy generation and integrated waste management is elucidated. Integrated water resource management and climate strategies in land management are also discussed on the basis of case studies.

Target Groups

This short course is designed for managers and decision-makers with a strong occupational background in environmental protection focusing on soil and land use (e.g. in agriculture and forestry, geography, soil science, water management, regional planning, etc.). A first university degree (BA, BSc, e.g.), good communication skills in English language and the nomination by the delegating institution are mandatory

Participants successfully completing this course will be awarded a Certificate of Certificate of Proficiency in Soil & Land Resources for Sustainable Development.

More details: www.tu-dresden.de/cipsem
Impressions from previous courses:
>> www.cipsem.wordpress.com

73RD SHORT COURSE ON RESOURCE EFFICIENCY – CLEANER PRODUCTION AND WASTE MANAGEMENT (SC73)

application: 01 March - 02 May 2017
course period: 15 November - 08 December 2017

Cleaner production – in the framework of green economy and circular economy – aims at environmental protection, pollution prevention and sustainable development through conservation of resources, reusing, and recycling in order to minimize pollution from the source and reduce overall waste per unit output. At the same time, productivity and competitiveness are being improved. This is essential for the ultimate goal of decoupling economic growth from increased resource use and further environmental degradation. This interdisciplinary, participatory short course offers solid background knowledge combined with workshops and site visits. It will provide an overview of social, legal, policy, economic and technological aspects of circular economy and sustainable waste management. The course will provide an overview of social, legal, policy, economic and technological aspects of circular economy and sustainable waste management.

Objectives

After completion of the course, the participants are able to create new concepts and ideas for sustainable resource management based on reduction, reuse, and recycling of materials (3Rs). Thereby the entire production process and life cycle of the products is taken into account. Participants are expected to adapt new ideas and concepts for a sustainable resource economy. After the course, the participants are able to develop new ideas and concepts for a sustainable resource management. They consider "waste" as a raw material and are able to contribute actively to the development or advancement of sustainable resource management in their home countries.

Target Groups

This course is especially targeted at specialists at upper managerial level and decision makers with tasks of environment-related planning, coordination and management. Participant should have several years of course relevant professional experience. The nomination by the delegating institution is mandatory.

Participants successfully completing this course will be awarded a Certificate of Proficiency in Resource Efficiency - Cleaner Production and Waste Management.