

## Programme Aims and objectives

The programme directly contributes to the development of sustainable solutions for environmental management and pollution abatement, by advocating to students a strategy that considers spatial development and its individual components in the context of sustainability. In addition to their academic work, students will develop a variety of learning skills and competencies, such as research, communication, and other professional skills, learn to orient themselves in European networks of academic institutions and elaborate on relevant career objectives and strategies.

## Who should attend

- Professionals working for the Water Industry or Regional and National Environmental Authorities. The course is particularly suitable for professionals who cannot afford a major disruption in their work, and who can attend in parallel with their working commitments without leaving their area of residence.
- Recent graduate engineers and environmental scientists seeking specialisation in water resources and environmental management
- Researchers working in Water Resources Management and Environmental Protection

## Fees

- 1300 € per year if entire Post Graduate Course is taken
- 750 € per Thematic Area
- 500 € per Module

## Degrees awarded

Successful completion of the entire postgraduate course (2 years) leads to the award of the Diploma of Academic Specialization in Water Resources and Environmental Engineering from the Faculty of Civil Engineering, University of Belgrade. In case that only specific modules are selected students receive a certificate that includes the corresponding ECTS credits obtained upon successful completion of the selected modules.

For additional details on the e-learning postgraduate programme please visit our website:

[www.water-msc.org](http://www.water-msc.org)

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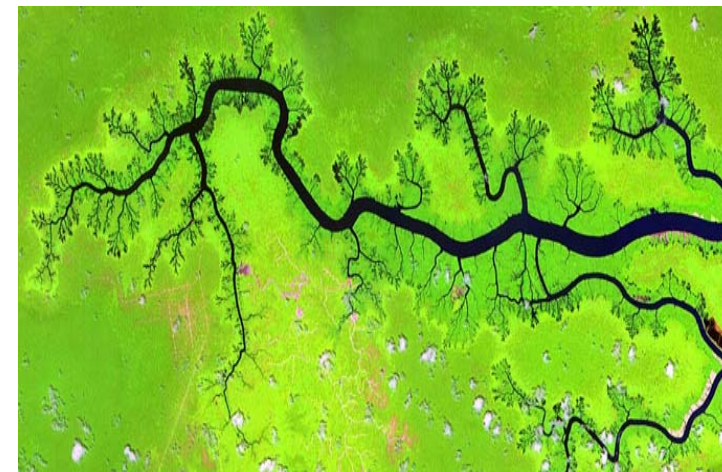
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## An International E-learning Postgraduate Programme in Water Resources and Environmental Management



### Offered by four leading Universities in the South-Eastern European region

- National Technical University of Athens, **Greece**
- University of Belgrade, **Serbia**
- Technical University of Civil Engineering Bucharest, **Romania**
- University of Ljubljana, **Slovenia**

## Programme structure

The postgraduate course in Water Resources and Environmental Management is a flexible, distance learning programme based on e-learning. Lectures and tutorials are given in English. Students can follow the entire postgraduate course (11 modules, 2 years) or alternatively they can select specific course elements, such as Thematic Areas and/or Modules according to their needs.

The full programme is organized as a pedagogic continuum and includes:

- An introduction and common scientific background to the participants, organized under **Thematic Area 1**
- The acquisition and use of concepts in urban water management in an integrative approach within a sustainable make-space for-water management context, organized under **Thematic Area 2**
- A thematic specialisation in the issues of catchment and environmental management by utilising hydro-informatics tools, including distributed hydrologic models, advanced optimisation and geostatistics under **Thematic Area 3**
- Issues of policy, legislation, decision-making and environmental assessment with an emphasis on the Water Framework Directive (WFD), as well as other advanced topics are provided under **Thematic Area 4**
- **A research Thesis**

**Host University:** Students will be registered at the University of Belgrade, Faculty of Civil Engineering.

**Assessment:** Written examinations are held at the end of the thematic areas, requiring the physical presence of all participating students in their Regional Centre of choice.

**Physical presence:** Students following the entire post-graduate course are brought together in the University of Belgrade, Faculty of Civil Engineering for a few days at the beginning and at the end of the course. During the first event students are introduced to the aims and contents of the course and become familiarised with the e-learning platform. The final gathering is devoted to the presentation of the thesis and course evaluation. For students following specific elements, no physical presence other than during examinations is required.

## Programme components

**The E - learning platform:** A key component of the postgraduate course is an educational web portal which serves two closely related needs:

- Collaboration and exchange of knowledge between students and teaching staff (web collaboration area)
- Support of asynchronous and synchronous e-learning activities (e-learning platform)

The design and development of the educational portal is in line with the international character of the postgraduate course. It allows the cross-cultural exchange of views and ideas both between academics and students and directly supports the broader objectives of promoting cooperation within the Balkan region.

Current modules on offer within the e-learning course include:

### Core Modules (Thematic areas 1 & 2)

- Hydraulics and Hydrology
- Ecology, Chemistry & Microbiology
- Data Analysis Tools (GIS & Statistics)
- Water Supply and Distribution Management
- Wastewater Collection and Treatment
- Stormwater Management

### Specialization Modules (Thematic areas 3 & 4)

- Integrated Flood Risk Management
- Groundwater
- Integrated Water Resources Management
- Policy and Legislation
- Environmental Assessment
- Coastal Erosion Management

**Starting Date:** The entire postgraduate course starts in **September 2010**; modules in Thematic Areas 1 and 3 start in September 2010 and modules in Thematic Areas 2 and 4 start in February 2011.

For more information, visit our website:

Course website: [www.water-msc.org](http://www.water-msc.org)

## Admission requirements

**Admission criteria:** Successful candidates must have a good first degree from a recognized university of at least 4 years of full-time study (B.Eng + MSc, M.Eng. or equivalent), in Engineering. Candidates with other first degrees will also be considered if they can demonstrate commitment to water resources and environmental management issues, usually through work or research experience.

**Language requirements:** All candidates should demonstrate a good command of the English language.

**How and when to apply:** Prospective candidates should submit an application online and send all supporting documents to the Course Secretariat in Belgrade. The application procedure can be found at the course website.

Closing dates for on-line applications are approximately 1 month before the start of each module.

All application supporting material should be submitted in hard copy to the following postal address:

### Admissions Office:

University of Belgrade, Faculty of Civil Engineering

**Attn: Branislava Jovanović**

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