

Programme Aims and objectives

The objective of this postgraduate programme is to assist the regional transnational cooperation on Water Resources and Environmental Management. This is achieved by shaping highly trained graduates into future **policy makers** who can rise to positions of leadership in their fields and perform their function professionally and with an understanding of the perspectives of the **entire region**.

The course 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 develop 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

- Recent graduate engineers and environmental scientists interested in water resources and environmental management
- Young professionals interested in a career in transnational water management and governance.
- Professionals working for Regional and National Environmental Authorities or the Water Industry.
- Researchers working in Water Resources Management and Environmental Protection

Number of participants

Total number of postgraduate students admitted is between 40-55; total number of participants in the Continuous Education programme is between 50-100.

Fees

- 1300 € per year if entire Post Graduate Course is taken
- 750 € per Thematic Area
- 500 € per Module
- Variable fees for short courses for government and industry depending on regional center

For additional details on the Postgraduate programme please visit our website:

www.water-msc.org

The EDUCATE! Academic Board

Alexandra KATSIRI

Coordinator

School of Civil Engineering
National Technical University of Athens
5, Iroon Polytechniou, 15780 Zographou, **GREECE**
tel: +30 210 7722797
fax: +30 210 7722899
Email: akatsiri@central.ntua.gr

Christos MAKROPOULOS

Deputy coordinator

School of Civil Engineering
National Technical University of Athens
5, Iroon Polytechniou, 15780 Zographou, **GREECE**
Email: cmakro@mail.ntua.gr

Dionysis ASSIMACOPOULOS

E-learning Platform Coordinator

School of Chemical Engineering
National Technical University of Athens
9, Iroon Polytechniou, 15780 Zographou, **GREECE**
tel: +30 210 7723218
fax: +30 210 7723155
Email: assim@chemeng.ntua.gr

Marko IVETIĆ

Faculty of Civil Engineering

University of Belgrade

Bulevar Kralja Aleksandra 73, 11000 Belgrade, **SERBIA**
tel: +381 11 3218530
fax: +381 11 3370206
Email: marko.ivetic@hikom.grf.bg.ac.yu

Radu DROBOT

Faculty of Hydrotechnics

Technical University of Civil Engineering Bucharest

Bd. Lacul Tei 124 Sector 2 Bucharest, **ROMANIA**
tel: +40 720900415
fax: +40 212421870
Email: drobot@utcb.ro

Mitja BRILLY

Faculty of Civil and Geodetic Engineering

University of Ljubljana

Jamova 2, 1000 Ljubljana, **SLOVENIA**
tel: +386 1 4253324
fax: +386 1 2519897
Email: mbrilly@fgg.uni-lj.si

Čedo MAKSIMOVIĆ

Technical Coordinator

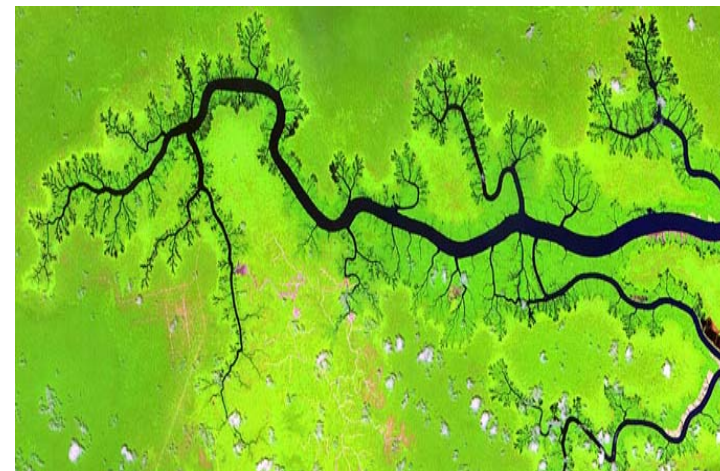
Imperial College London, UK

Email: c.maksimovic@imperial.ac.uk



EDUCATE!

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 developed in English. Minimum duration of the course is two calendar years.

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 specialization in the issues of catchment and environmental management by utilizing hydro-informatics tools, including distributed hydrologic models, advanced optimization 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 the students in their Regional Centre of choice.

Physical presence: All students 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 familiarized with the e-learning platform. The final gathering is devoted to the presentation of the thesis and course evaluation.

Degrees awarded: Successful completion of 2 years of the course leads to the award of Certificate of Academic Specialization in the field of Civil Engineering, study programme: Water Resources and Environmental Management from the Faculty of Civil Engineering, University of Belgrade.

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 course include:

Core Modules (Thematic areas 1 & 2)

- Hydraulics and Hydrology
- Ecology, Chemistry & Microbiology
- Data Analysis Tools
- 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
- Surface Water Quality Modelling
- Coastal erosion management
- Ecohydrology, Sediment Transport and River Remediation
- Policy and Legislation
- Environmental Assessment
- Decision-Making Analysis and Tools for Environmental Sciences

Short courses: A number of 3-5 day seminars on additional specialized topics are available to professionals from Government and Industry.

Starting Date: The Post Graduate Course programme starts on **December 1st, 2008**. For information on short courses availability and timing please see our website.

For more information, visit our website:

Course website: 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 or Natural and Applied Sciences, such as Environmental Sciences, Geography, Geology, Chemistry, Biology, Mathematics and Physics. 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. The application procedure can be found at the course website.

The closing date for on-line application and for all documents to reach the Admissions Office is:

Applications deadline: October 31st, 2008

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

Admissions Office:

University of Belgrade, Faculty of Civil Engineering
Attn: Branislava Jovanović
Bulevar Kralja Aleksandra 73
P.O.Box 35-42, 11120 Belgrade, SERBIA
tel: +381 11 3218558
fax: +381 11 3370223 (Attn. Branislava Jovanovic)
Email: secretariat@water-msc.org

Enquiries NTUA:

George Karavokiros
tel: +30 210 7722861

Sandra Baki
tel: +30 210 7722860

Email: ntua@water-msc.org