



STEPGRAD 2018
Banja Luka

Knowledge FOR Resilient soCiEty

FACULTY OF ARCHITECTURE CIVIL ENGINEERING AND GEODESY

Study program Civil Engineering – Master Studies
Module **DISASTER RISK MANAGEMENT**



Co-funded by the
Erasmus+ Programme
of the European Union



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Coordinator



Program partners



AALBORG UNIVERSITY
DENMARK



Project partners



ВИСОКА ТЕХНИЧКА ШКОЛА
СТРУКОВНИХ СТУДИЈА
у Новом Саду



EUROPEAN YOUTH PARLIAMENT
PARLEMENT EUROPÉEN DES JEUNES





Module **"Disaster Risk Management"** on Master studies of Civil Engineering study program is the result of international **ERASMUS+** project **"Knowledge For Resilient soCiEty"** which deals with management of **hazardous phenomena** and **prevention of their consequences** through aseismic design of structures, flood defense, landslide rehabilitation, fire protection measures, rehabilitation of structures, roads, etc.



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Coordinator and lead partner of the Project is **University of Novi Sad**

Project Partners are **Higher Education Technical School of Professional Studies in Novi Sad (RS)**, **University of Tuzla (BiH)**, **University of Banja Luka (BiH)**, **University of Tirana (AL)**, **Epoka University (AL)**, **Protection and rescue directorate of Macedonia (MK)**, **National fire protection association (RS)** and **European youth parliament (RS)**.



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Program Partners are **Technical University of Denmark (DK), Aalborg University (DK), Lund University (S) and Ss Cyril and Methodius University in Skopje (MK)**

Associated members are **Ministry of Security of Bosnia and Herzegovina, Protection and Rescue Sector, Sector for International Cooperation and European Integrations (BiH) and Union of chambers of commerce and industry of Albania (AL)**



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*Within the **K-FORCE** project our faculty will install Laboratory and Computer equipment in total amount of 29400 EUR*



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As a part of the project mobility is organized for teachers of Master module Disaster Risk Management through **Special Mobility Strand (SMS)**.

We successfully attended teachers mobility:

Teaching mobility

Novi Sad (Gordana Jakovljević) in March 2018

Training mobility

DTU Denmark (Mladen Slijepčević) March 2018

UKiM Macedonia (Radovan Vukomanović) April 2018

UZ Slovakia (Bojana Grujić) April 2018

UAA Denmark (Gordana Broćeta) May 2018



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Teaching Mobility at University of Novi Sad



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Training Mobility at Technical University of Denmark



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Training Mobility at Ss. Cyril and Methodius University in Skopje



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Training Mobility at University of Žilina





The project also includes **SMS student mobility**

Requirement: Student of Master studies
"Disaster Risk Management"

Duration: **1 semester (summer, 5 months)**

Scholarship: **750 Euros, travel expenses**

Number of scholarships: **4**

Country: **Serbia**

Language: **English and Serbian**



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BEGINING OF THE MASTER MODULE

Winter semester 2018/19. year

VOCATION GAINED

Master enginner of Civil Engineering – Disaster Risk Managenement (on Master module “ Disaster Risk Managenement ” of Civil Engineering Master studies)

CONDITIONS FOR ENTRY

Four year basic academic studies of Civil Engineering 240 ECTS or graduate academic five-year study of Civil Engineering according to the University Law

RECOGNIZING

of the equivalent subjects from five-year graduate studies under the University Law and the same subjects from other courses of the Disaster Risk Managenement Master module at FACEG UNIBL.



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NUMBER OF OPENED PLACES: 20

ALL STUDENTS ENROLLED FINANCED FROM THE BUDGET!

Contact

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<http://www.aggf.unibl.org>



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1. SEMESTER

Curriculum DISASTER RISK MANAGEMENT

НАЗИВ ПРЕДМЕТА

1. Моделирање конструкција
2. Асеизмичко пројектовање и грађење
3. Операциона истраживања у грађевинарству
4. Геохазарди
5. Изборни предмет 1
6. Изборни предмет 2

Листа изборних предмета 1 и 2

НАЗИВ ПРЕДМЕТА

1. Експериментална анализа конструкција
2. Примјена ГИС-а у саобраћајницама
3. ГИС у хидротехничкој пракси
4. Експлоатација и заштита подземних вода
5. Специјални проблеми менаџмента у грађевинарству
6. Мостови
7. Грађевинске мјере заштите од пожара

SUBJECTS

1. Modeling of Structures
2. Aseismic Design and Construction
3. Operational Research in Civil Engineering
4. Geohazards
5. Elective subject 1
6. Elective subject 2

List of Elective subjects 3 and 4

SUBJECTS

1. Experimental Analysis of Structures
2. Application of GIS in Roads
3. GIS in Hydrotechnical Practice
4. Exploitation and Protection of Groundwater
5. Specific Problems in Civil Engineering Management
6. Bridges
7. Constructive Rules for Fire safety of Building

2. SEMESTER

Curriculum DISASTER RISK MANAGEMENT

НАЗИВ ПРЕДМЕТА

1. Изборни предмет 3
2. Изборни предмет 4
3. Мастер рад

SUBJECTS

1. Elective subject 3
2. Elective subject 4 Aseismic Design and Construction
3. Master thesis

1. SEMESTAR

Листе изборних предмета 3 и 4

НАЗИВ ПРЕДМЕТА

1. Пројектовање система за дојаву и гашење пожара
2. Анализа ризика у процесу доношења одлука
3. Финансијска отпорност на хазарде
4. Процјена стања оштећених грађевинских објеката
5. Санација дрвених, челичних и зиданих конструкција
6. Санација бетонских конструкција
7. Геотехнички проблеми код саобраћајница
8. Одбрана од поплава
9. Интегрално управљање водним ресурсима

SUBJECTS

1. Design of Fire alarm System and Fire extinguishing System
2. Risk Analysis in Decision-making Process
3. Financial Resilience to Hazards
4. Assessment of Damaged Structures
5. Repair of Timber, Steel and Masonry structures
6. Repair of Concrete Structures
7. Roads Geotechnical Problems
8. Floods Risk Management
9. Integral Management of Water Resource



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Thank You for Your
Attention!

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