



## WP2

### Development of curricula

Lead Organisations of WP2: **UNS - Serbia**

**Participating Organisation:** UB;UNI; UBL; UNSA; INSZASUM; BOKU;  
UNSCM; UNIRC;FRI-BAS

Deliverable 2.4

Title : **Established new master programme**

**Participating Organisation:** UB; UNS; UNI; UBL; UNSA



## PROJECT INFO

Project title	Soil Erosion and Torrential Flood Prevention: <i>Curriculum Development at the Universities of Western Balkan Countries</i>
Project acronym	SETOF
Project reference number	598403-EPP-1-2018-1-RS-EPPKA2-CBHE-JP (2018-2579/001-001)
Coordinator	University of Belgrade
Project start date	November 15, 2018
Project duration	36 months

## DOCUMENT CONTROL SHEET

Ref. No and Title of Activity	<b>2.4 Established new master programme</b>
Title of Deliverable:	<b>Structure of the joint master program</b>
Institutions:	UNS, UB
Author/s of the deliverable	UB, UNS, UNI, UBL, UNSA
Status of the document:	final



Name of the study program: **Soil Erosion and Flood Prevention**

Type and level of study: **joint study program of master's academic studies**

Five universities are participating in the development and implementation of the joint study program: the University of Belgrade, the University of Novi Sad and the University of Niš (Program Holders) and the University of Banja Luka and the University of Sarajevo (Partner Organizations), which make up the Study Program Consortium.

According to the adopted structure, the joint study program lasts one year, i.e. 2 semesters with a total of 60 ECTS credits. The joint study program of master's academic studies has four compulsory and two electives that students choose from a total of 12 courses offered. The teaching process takes place through lectures, exercises, seminar papers, exams, study-research work, professional practice, and master's thesis. The curriculum of the study program with a list of compulsory and elective courses with outline content can be found on the project website. The credit value of each subject, as well as the master's thesis, is expressed by the European Credit Transfer System (ECTS).

During the first semester, students listen to compulsory and elective courses and master the pre-exam and exam activities provided by the syllabi of those courses. The activities envisaged by the master study program during the second semester are study-research work, professional practice, and preparation and defense of a master's thesis.

All partners in the Consortium participate in holding teaching activities. Compulsory and elective courses are structured as joint courses in the development of syllabi and the implementation of teaching activities involves teachers from two or more universities. Professional practice is also organized by teachers from partner institutions, and students perform study-research work and master's thesis with a selected mentor (professor from one of the universities).

Teaching activities in the first semester are held at the University of Belgrade, and a part of teaching activities at the University of Novi Sad and the University of Niš. Obligations provided by the structure of the study program in the second semester are performed in the form of consultations and students are required to perform them with professors from all the universities (members of the Consortium).

Students apply for the joint study program of master's academic studies based on a joint competition announced by the Universities Holding the program and which will be published on the web sites of those universities.

The requirement for enrollment in master's academic studies is completed bachelor studies with at least 240 ECTS credits or completed integrated, i.e. master's academic studies with at least 300 ECTS credits from the educational-scientific field of technical-technological and natural-mathematical sciences.

Students who complete the master's academic studies Soil Erosion and Flood Prevention receive the academic title - Master Forestry Engineer and the diploma will contain the title - Soil Erosion and Flood Prevention.



No	Code	Subjects	S	Number of classes	ECTS
1.	20.ER2101	Land and water degradation	I	3+2	5
2.	20.ER2102	Soil erosion protection	I	3+2	6
3.	20.ER2103	Torrential flood prevention	I	2+3	6
4.	20.ER2104	Integrated torrential basin management	I	3+2	5
5.	20.ER2110	<b>Elective subject I</b> - Land melioration - Conservation of karst terrain - Climate change adaptation - Project management in natural resources protection - Sustainable land management - Biomeliorations of barren lands	I	2+2	4
6.	20.ER2120	<b>Elective subject II</b> - Natural disaster risk management - Land degradation and ecosystem services - Torrent monitoring and early warning system - Decision-making in soil erosion and torrent control - Modelling of land and water degradation - Melioration of degraded forests	I	2+2	4
7.	20.ER2201	Study research work	II	10	7
8.	20.ER2202	Professional practice	II	6	3
9.	20.ER2203	Development of master's thesis	II	12	12
10.	20.ER2204	Master's thesis	II	2	8
Total classes of active teaching				58	
Total ECTS					60



Subjects	Offered by	Compulsory /elective	Semester	ECTS	Professors
Land and water degradation	FOS-NI FF-BG FF-BL (joint course)	Compulsory	1st	5	Tatjana Golubović, Miodrag Zlatić, Marijana Kapović Solomun, Katarina Lazarević
Soil erosion protection	FF-BG FA-NS (joint course)	Compulsory	1st	6	Radovan Savic, Tijana Vulević, Siniša Polovina, Katarina Lazarević
Torrential flood prevention	FF-BG FF-SA (joint course)	Compulsory	1st	6	Ratko Ristić, Muhamed Bajrić, Dejan Vasović, Siniša Polovina, Ranka Erić
Integrated torrential basin management	FOS-NI FF-BG FF-SA (joint course)	Compulsory	1st	5	Miodrag Zlatić, Muhamed Bajrić, Ranka Erić
<b>Elective subject I (List of subjects)</b>					
Land melioration	FA-NS FF-BG (joint course)	Elective	1st	4	Radovan Savić, Atila Bezdan, Milica Vranešević, Aleksandar Baumgartel
Conservation of karst terrain	FF-SA	Elective	1st	4	Ćemal Višnjić, Muhamed Bajrić, Emira Hukić
Climate change adaptation	FOS-NI	Elective	1st	4	Slobodan Milutinović
Project management in natural resources protection	FF-BG	Elective	1st	4	Nada Dragović, Tijana Vulević
Sustainable land management	FF-BL FF-BG (joint course)	Elective	1st	4	Marijana Kapović Solomun, Miodrag Zlatić, Mirjana Todosijević
Biomeliorations of barren lands	FF-BL	Elective	1st	4	Jugoslav Brujić, Branislav Cvjetković
<b>Elective subject II (List of subjects)</b>					
Natural disaster risk management	FOS-NI	Elective	1st	4	Slobodan Milutinović, Snežana Živković
Land degradation and ecosystem services	FF-BG FF-BL (joint course)	Elective	1st	4	Mirjana Todosijević, Marijana Kapović Solomun, Katarina Lazarević
Torrent monitoring and early warning system	FF-BG FF-SA FOS-NI (joint course)	Elective	1st	4	Muhamed Bajrić, Dejan Vasović, Siniša Polovina, Ranka Erić



Decision making in soil erosion and torrent control	FA-NS FF-BG (joint couse)	Elective	1st	4	BoskoBlagojević, TijanaVulević
Modelling of land and water degradation	FF-BG FA-NS (joint couse)	Elective	1st	4	Mirjana Todosijević, AtilaBezdan, Katarina Lazarević, Ranka Erić
Melioration of degraded forests	FF-SA	Elective	1st	4	Ćemal Višnjić
Study-research work	FOS-NI FF-BG FF-BL FF-SA FA-NS	Compulsory	2nd	7	Work with mentor
Professional practice	FOS-NI FF-BG FF-BL FF-SA FA-NS	Compulsory	2nd	3	Slobodan Milutinović TijanaVulević Jugoslav Brujić EmiraHukić AtilaBezdan
Development of master's thesis	FOS-NI FF-BG FF-BL FF-SA FA-NS	Compulsory	2nd	12	Work with mentor
Master's thesis	FOS-NI FF-BG FF-BL FF-SA FA-NS	Compulsory	2nd	8	Work with mentor