



**SETOF**

**Soil Erosion and TOrrential Flood  
Prevention: Curriculum Development at the  
Universities of Western Balkan Countries**

***ERASMUS + KA2–Capacity Building in the field of Higher Education***

# Progress report on the accreditation of master curricula process

*Sarajevo, 28-29 September 2020*



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## Standards and guidelines for accreditation of STUDY PROGRAMS I and II DEGREES

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**Soil Erosion and TOrrential Flood**  
*Prevention: Curriculum Development at the*  
*Universities of Western Balkan Countries*

## Standard 13. Joint study program

Joint study program of master's academic studies

### ***Soil Erosion and Torrential Flood Prevention***

was developed within the Erasmus + K2 project

*Soil Erosion and Torrential Flood prevention : Curriculum  
Development at the Universities of Weestern Balkan Countries -  
SETOF*



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The joint study program of masters academic studies is organized by five Universities:

- three from the Republic of Serbia: University in Belgrade, University in Novi Sad and University in Niš
- two from the Republic of Bosnia and Herzegovina: University in Banja Luka and University in Sarajevo

All five Universities have signed an

## **AGREEMENT ON THE DEVELOPMENT AND IMPLEMENTATION OF THE JOINT MASTER STUDY PROGRAM: Soil Erosion and Torrential Flood Prevention**

in which terms for the realization of the joint master study program are regulated.





## The **AGREEMENT** is defined by:

- the goals of the joint study program
- Consortium
- Academic committee
- the language in which the program is performed as well as registration and enrollment of students
- duration and structure of the master program
- tuition fee
- academic title (diploma and its addition)
- financing
- evaluation of the program as well as
- finished regulations that focus on the resignation from the agreement or expansion of the agreement and resolving of disputes.





## Standard 1. Structure of the study program

- The joint master study program is **one year long** and it is sectioned into two semesters
- The program contains mandatory and elective subjects in its total volume out of at least 60 ECTS points
- The instructional activities in the first semester of master studies will be held in the University in Belgrade, a small portion will also be held in the Universities of Novi Sad and Niš (schooling of some subjects)
- The students who are applying to the joint study program from the base of joint **try-out** which all Universities announce and which will be published on the internet address of the University in Belgrade, the University in Novi Sad and the University in Niš
- The University in Belgrade holds records of students, preparations and issues a **joint diploma** in accordance with the law







## Standard 2. Purpose of the study program

The purpose of the joint study program of masters academic studies is the expansion of knowledge and skill of engineers for a better and efficient problem-solving in the field of soil protection from erosion and torrent floods on a regional level

- Students are given an academic title **Master Engineer in Forestry-** in addition to the diploma: ***Soil Protection from Erosion and Torrential Flood Prevention***
- The University in Belgrade issues the diploma with the addition
- The diploma and its addition are issued on a prescribed form on the Serbian language





## Standard 3. Objectives of the study program

The primary goals of the joint study program of masters academic studies are:

- training of students with integrated knowledge and skills for a professional task performance from the field of soil protection from erosion and prevention of torrent floods on the principles of integral catchment area management.
- knowledge acquisition necessary for solving the problem of soil degradation and waters and their usage based on principles of sustainable development
- training of students for practical usage of acquired knowledge for the protection of soil from degradation and defence from torrent floods through project making and performance labour, as well as method usage based on informative systems
- construction of the academic network for education and research in the field of soil protection from erosion and torrent floods on a regional level
- effective transfer of acquired knowledge from finished master students for enlargement of engineer competence in practice







## Standard 4. Graduate competencies

The master study program is supposed to enable students to after finished studies possess the knowledge, skill, developed abilities and with that to have the competence to:

- solve practical and theoretical problems on their own
- solitarily formulate, analyse, plan and solve problems in line with ecological principles which connect society with the natural environment
- efficiently communicate based on principles of professional ethics with the engineering community and society as a whole
- project systems sustainability of soil protection from erosion and torrent floods





## Standard 5. Curriculum

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





## Standard 6. Quality, modernity and international compliance of the study program

With project realisation, the joint master study program is formulated to be compatible with several study programs from Europe and countries from surrounding areas:

- Austria,
- Czech Republic and
- North Macedonia





## Standard 7. Student enrollment

An enrollment of 40 students (8 from each of the five Universities) on the joint study program of master academic studies for soil erosion and prevention from torrent floods is predicted

In the first year of the joint study program of master academic studies a person can be enrolled if:

- they finished primary academic studies, accomplishing at least 240 ECTS points
- they finished integrated studies namely master academic studies accomplishing at least 300 ECTS points





## Standard 8. Student assessment and progress

Subject in the curriculum of the joint study program of master academic studies of soil erosion and torrent flood prevention is specified by the number of ECTS points which the student obtains by fulfilling its pre-exam duties and by taking the exam.





## Standard 9. Teaching staff

On the joint study program, 23 professors and associates have been enlisted:

- 5 professors and 4 associates from UB,
- 4 professors from UNS,
- 4 professors from UNI,
- 3 professors from UNBL and
- 3 professors from UNSA.

For professors out of the working time and professors by call, 6 have been chosen from University in Sarajevo and University in Banja Luka.







# Soil Erosion and TOrrential Flood Prevention: Curriculum Development at the Universities of Western Balkan Countries

Р.Б	Матични број	Име, средње слово, презиме	Звање	Датум избора	Ужа научна, уметн.односно стручна област за коју је биран	Редни број Извода (ЕБР – ПУРС) и број у изводу	Часова активне наставе на свим програмима ове установе	Часова активне наставе у другим ВШУ у Србији	Укупно часова активне наставе недељно на свим ВШУ у Србији	Процент запослена у установи
1	1208959127623	Нада М. Драговић	РП	14.12.2011.	Ерозија и конзервација земљишта и вода	96/1572922945217	11,96	0,00	11,96	100
2	2607961710129	Ратко У. Ристић	РП	14.12.2011.	Ерозија и конзервација земљишта и вода	199/1572922945217	12,93	0,00	12,93	100
3	2110953710053	Миодраг Д. Златић	РП	08.11.2005.	Екон. и орган. одрж. управљања	165/1572922945217	11,89	0,00	11,89	100
4	2008971778626	Мирјана М.Тодосијевић	ВП	17.10.2017.	Ерозија и конзервација земљишта и вода	156/1572922945217	11,46	0,00	11,46	100
5	3008984785021	Тијана З. Вулевић	Д	16.01.2018.	Ерозија и конзервација земљишта и вода	229/1572922945217	11,71	0,00	11,71	100
6	1105959890056	Радован Б. Савић	РП	15.07.2013	Уређење, заштита и коришћење вода	122/1552688727628	1,89	0,00	7,92	100
7	0508975800036	Атила Ф.Бездан	ВП	28.02.2020	Уређење, заштита и коришћење вода	309/1552688727628	0,56	0,00	11,06	100
8	0403985800054	Бошко Д.Благојевић	Д	24.03.2016	Уређење, заштита и коришћење вода	57/1552688727628	0,38	0,00	7,66	100
9	2108983805011	Милица Д. Вранешевић	Д	24.03.2016.	Уређење, заштита и коришћење вода	11/1552688727628	0,39	0,00	8,71	100
10	1208960730015	Слободан Ј.Милутиновић	РП	16.11.2004.	Одржив урбани развој	30/2347780943	1,03	0,00	7,14	100
11	2810971745028	Снежана Б.Живковић	РП	06.02.2017.	Друштвено хуманистичке науке у заштити радне и животне средине	39/2347780943	0,53	0,00	10,39	100
12	0907982733540	Дејан М.Васовић	Д	13.02.2017.	Управљање квалитетом радне и животне средине	58/2347780943	1,11	0,00	10,4	100
13	2204969735026	Татјана Д.Голубовић	ВП	07.12.2015.	Хемијске опасности у радној и животној средини	42/2347780943	1,13	0,00	10,35	100
14		Маријана Б.Каповић Солумун	ВП	28.02.2019.	Силваекологија	Универзитет у Бањој Луци Шумарски факултет, Босна и Херцеговина				
15		Бранислав Н. Цејетковић	Д	2019	Шумарска генетика и оснивање шума	Универзитет у Бањој Луци Шумарски факулте Босна и Херцеговина т,				
16		Југослав Б. Брујић	ВП	2019	Силваекологија	Универзитет у Бањој Луци Шумарски факултет, Босна и Херцеговина				
17		Мухамед Бајрић	ВП	2018	Пројектовање и грађење у шумарству и хортикултури	Универзитет у Сарајеву Шумарски факултет, Босна и Херцеговина				
18		Ћемал Вишњић	РП	2011	Узгајање шума	Универзитет у Сарајеву Шумарски факултет, Босна и Херцеговина				
19		Емира Хукић	Д	2018	Педологија	Универзитет у Сарајеву Шумарски факултет, Босна и Херцеговина				





## Standard 10. Organizational and material resources

Instructional activities of the joint study program of masters academic studies of soil erosion and torrent flood prevention are being held in the following Universities in Serbia:

- University of Belgrade, Faculty of Forestry
- University of Novi Sad, Faculty of Agriculture,
- University in Niš, Faculty of Occupational Safety.

Faculties of Universities in Serbia possess adequate space and equipment necessary for the continuation of the instructional process of masters academic studies. -





## Standard 11. Quality control

Academic Board of University Consortium (8 members) is giving a proposition to the University in Belgrade, Faculty of Forestry who decides on forming a Committee for control of quality which consists of members from University who bear the study program.

No.	Name	Titles	Organization
1	Mirjana Todosijević	Associate Professor	UB, Faculty of Forestry
2	Nada Dragović	Professor	UB, Faculty of Forestry
3	Dejan Vasović	Assistant professor	UNI, Faculty of protection on work
4	Atila Bezdan	Associate Professor	UNS, Agricultural Faculty
5	Katarina Lazarević	Assistant	UB, Faculty of Forestry
6	Aleksandar Baumgertel	Junior Researcher	UB, Faculty of Forestry
7	Anita Sviličić	Teaching and quality assurance officer	UB, Teaching and Student Affairs Service
8	Aleksandra Pevulović	Student	UB, Faculty of Forestry
9	Ana Paravinja	Student	UB, Faculty of Forestry

The Committee regularly submits a **report** to the coordinator of the joint study program which contains the results of its work.





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The material for accreditation is given (National Entity for Accreditation and Quality Assurance in Higher Education NEAQA)  
**27th of July 2020.**

REQUEST FOR ACCREDITATION HAS BEEN INCLUDED ONLY  
BY BU

NEW REQUEST FOR ACCREDITATION - INCLUDED ALL THREE  
UNIVERSITIES FROM SERBIA - **August 25, 2020**



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**We expect a response from The Reviewer  
Committee National Entity for Accreditation and  
Quality Assurance in Higher Education  
(NEAQA)!**



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