

Module Placement Guide

(WP2 - Deliverable 2.5)

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1. Introduction WP2 “Curriculum modules and LLL center programs development”: general description and objectives

WP2 “Curriculum modules and LLL center programs development” includes the activities necessary for design and implementation of new master study curriculum and LLL programs on urban agriculture. The curriculum is two years study program with 120 ECTS with basic obligatory modules and closed list of elective modules to provide specialization. Study contents are organized in 5 modules: introduction to UA, food production systems, UA entrepreneurship, urban planning and resources, and use of technologies and ICT in UA. Modules meet objectives and priorities for each partner countries’ needs based on results delivered in WP1. Needs analysis (see Deliverable 1.2) named communication a required soft skill for urban agriculture entrepreneurship and an issue to be covered in urban agriculture entrepreneurial education. Other soft skills considered important were creativity, time management, and flexibility. Considering hard skills, all subjects (plant production, machinery/engineering, marketing/trading, project planning, business planning, communication and networking, urbanity) are named by more than 40% of the surveyed people to be of value for UA entrepreneurial education. About two thirds named plant production (68%) and project planning (65%) followed by marketing / trading (53%), urbanity (51%), communication/networking (50%), and business planning, administration and finances (50%). Also specific training needs among these topics were investigated. Crop protection, plant nutrition and cultivation practices were the most required skills in the topic of plant production. Irrigation, greenhouse technology and precision agriculture were the most required skills in the topic of machinery/engineering. Quality management and customer relations were the most required skills in the topic of marketing/trading. Business, project planning and project management were the most required skills in the topic of business, administration and finances. Urban economy and urban planning were the most required skills in the topic of urbanity.

Within WP2 modules and modes (basic or advanced), objectives and learning outcomes for master study and LLL program are defined through the development of a curriculum draft (Deliverable 2.1). Modules 2, 3, 4 and 5 is offered in two modes: basic and advanced. Basic mode provides more theoretical education, while advanced is based on Problem Based Learning system (PBL) and Experiential Learning (EL). Thanks to a specific guide (Deliverable 2.2), a methodology for PBL and EL with regard to defined learning outcomes and competencies is established. A guide for students’ skills and competence evaluations is created to define and describe a competence inventory and link it to the skills (Deliverable 2.3). This reference system is the core instrument both for planning and for the validation of the competence oriented learning. Module Placement Guide (Deliverable 2.5) assess student’s current readiness to register for advance mode courses within the modules. This is necessary due to the interdisciplinary nature of new curriculum. Since module advance mode is based on PBL and EL, students are expected to have theoretical knowledge regarding field of the study prior to the course registration. Diploma supplement providing a standardized description of the nature, level, context, content and status of the studies is created for partner HEIs (Deliverable



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2.6). Besides standard context, a special part includes descriptions of acquired competencies according to the EUROPASS cluster: social and organizational competences described in the field of study. A multilateral inter-institutional agreement (Deliverable 2.7) ensures credit mobility, virtual and physical students and staff mobility between the partner HEIs.

2. Module Placement Guide

2.1 Master on Urban Agriculture

The Master on Urban Agriculture is a two years master of 120 ECTS. It aims to train professional specialized in the field of urban agriculture and its related sciences in order to build cities more sustainable, more resilient and greener and to develop new economies related to urban agriculture activities. This master points to provide advanced knowledge in the field of urban agricultural systems, skills to develop and manage sustainable production systems, knowledge on urban planning and urban regulations, and expertise in urban agriculture business models. Fundamental importance within the master have the learning techniques related to Problem Based Learning (PBL) and Experiential Learning (EL), which promote the development of critical thinking skills, problem-solving abilities, and communication skills.

2.2 Target Skills

- To acquire and develop knowledge and skills related to urban agriculture, urban ecology and urban planning
- To identify and assess entrepreneurial opportunities and innovation possibilities related to urban agriculture activities
- To understand and explore the multi functionality of urban agriculture in order to redesign and redefine urban spaces
- To establish the skills needed to organize and lead multi-disciplinary groups with experts, including planning, setting up, coordinating, team working, business development, problem-solving skills
- To plan green areas within the city framework
- To write a business plan for development and management of economical activities
- To analyze cities' food supply system and be able to shorten the food supply chain

2.3 Career opportunity

Urban planner specialized in greener cities

Manager of project related to urban agriculture activities

Consultant or researcher specialized in the deployment of sustainable planning techniques, methods and strategies in urban areas

2.4 Enrolment (Admission) Guideline

A guideline for enrollment in Master Course on Urban Agriculture is developed by Universities participating in BUGI Project: University of Sarajevo (UNSA); University "Dzermal Bijedic" Mostar (UNMO); University Donja Gorica (UDG); University of Prishtina (UP) and the University of Haxhi Zeka in Peja (UHZ).

Project Partners agreed to develop and promote two masters programs. The first one is promoted by the University of Sarajevo (UNSA), the University "Dzermal Bijedic" Mostar (UNMO) and the University Donja Gorica (UDG), while the second one is promoted by the University of Prishtina (UP) and the University of Haxhi Zeka in Peja (UHZ).

The programs are structured in four semesters.

First semester (30 ECTS) is common among the two programs and courses (all mandatory) are provided in English language and in distance learning modality.

Second semester (30 ECTS) offers different courses in the two programs, but in both programs, mandatory and elective courses are present.

For both programs, third semester (30 ECTS) is organized for internship and problem based learning activities and fourth (30 ECTS) is dedicated to the thesis.

Universities have developed Admission Requirements considering variability and specifics on their Bachelor's study programs.

It is expected that all enrolment (admission) procedures are transparent and fully in line with developed guidelines.

2.5 Admission Guideline for UNSA

Admission Requirements

If a student has completed a Bachelor's degree (at least 180 ECTS) or equivalent, he/she is eligible to apply for the Master Program in Urban Agriculture. Selection will be based on academic background.

Minimum number of students: 5

Optimal number of students: 10

Maximal number of available places: 20

If the number of qualified applicants to the program exceeds the maximal number of places available, applicants will be prioritized according to the Grade point average in previous study degree.

The University admission commission will evaluate whether or not he/she meets admission requirements and will make prioritization and selection according to the grade point average in previous study degree.

Language requirements

The language of study program will be one of three official languages in Bosnia and Herzegovina (Bosnian/Croatian/Serbian). Courses in the first semester could be provided in English language and in distance learning modality (maximum 24ECTS, thus to gain admission to a Master Program in Urban Agriculture, all applicants should have good English language knowledge.

2.6 Admission Guideline for UNMO

Enrolment requirements for the study program

Candidates with a completed undergraduate degree, which is evaluated with at least 180, i.e. 240 ECTS points of study, and candidates with completed four-year studies according to pre-Bologna system of study, which is more closely defined by the study program have a right to enrol in a graduate study.

Candidates referred to in paragraph 1 of this Article for enrolment in a bachelor's degree must, as a rule, have a minimum average grade of 7.5 (C +) admitted at the undergraduate study, and if they have not obtained the required average grade, they must submit two teacher recommendations, from their teachers at the undergraduate study.

Applicants who meet the requirements of paragraph (1) of this Article shall have the right to be enrolled in a study program at another faculty that is related to a completed undergraduate study, with one or more differentiated exams and under the conditions determined by the Teaching-scientific Council of the faculty, which implements the study program of the graduate study.

Foreign citizens and stateless persons have the right to be enrolled in studies under the same conditions as BiH citizens.

The conditions for transfer from other study programs within the same or related fields of study are possible and will be conducted in accordance with the University's internal regulations.

2.7 Admission Guideline for UDG

Admission Requirements

If a student has completed a Bachelor's degree (at least 180 ECTS) or equivalent, he/she is eligible to apply for the Master Program in Urban Agriculture. Selection will be based on academic background.

Minimum number of students: 5

Optimal number of students: 10

Maximal number of available places: 20

If the number of qualified applicants to the program exceeds the maximal number of places available, applicants will be prioritized according to the Grade point average in previous study degree.

The University admission commission will evaluate whether or not he/she meets admission requirements and will make prioritization and selection according to the grade point average in previous study degree.

Language requirements

The language of study program will be one of official languages in Montenegro (Montenegrin/Serbian/Croatian). Courses in the first semester could be provided in English language and in distance learning modality (maximum 24 ECTS, thus to gain admission to a Master Program in Urban Agriculture, all applicants should have good English language knowledge.

2.8 Admission Guideline for UP and UHZ

University of Prishtina (UP) and University Haxhi Zeka in Peja (UHZ) agreed to develop and promote a joint Master Program on Urban Agriculture.

Considering the similarities in some Bachelor's agricultural study programs, these two Universities also agreed to develop a joint Admission Guidelines for enrollment in Master studies on Urban Agriculture for students who have completed a Bachelor's degree.

Admission Requirements

If a student has completed a Bachelor's degree (at least 180 ECTS), he/she is eligible to apply for the Master Program in Urban Agriculture

Bachelor's degrees that automatically fulfill the academic requirements

If a student holds one of the degrees listed below, he/she is considered to meet all academic requirements

- Business management in Zootechnics (BSc. 180 ECTS) – UP
- Plant Productin (BSc. 180 ECTS) – UP
- Horticulture (BSc. 180 ECTS) – UP
- Plant protection (BSc. 180 ECTS) - UP
- Plant Production Technology (BSc. 180 ECTS) - UHZ
- Agro-environment and Agro-ecology (BSc. 180 ECTS) – UHZ

Other Bachelor's degrees

If a student holds a Bachelor's degree other than those listed above, he/she must submit additional documentation along with his application. The University admission commission will evaluate whether or not he/she meets admission requirements.

Academic requirements

Applicants with a Bachelor's degree in Biology, Geography, Geodesy, Food technology, Biotechnology and other related fields from UP, UHZ and other Kosovo's or international universities may be enrolled if their study programs include at least one of following three areas:

- Biology, plant science or ecology (6-10 ECTS)
- Agro-economics (6-10 ECTS)
- Natural resources and spatial planing (6-10 ECTS)

Language requirements

Courses in the first semester are provided in English language and in distance learning modality, thus to gain admission to a Master Program in Urban Agriculture, all applicants must have English language proficiency (According to the Administrative Instruction NO 03/2018 for foreign languages in the study program of the second or third cycle and Senate decision)

Application procedures

In order for a student to be admitted to the Master Program in Urban Agriculture, he/she needs to have a Bachelor' degree, at least 180 ECTS.

Number of available places: 20

Prioritization of applicants

Selection criteria

If the number of qualified applicants to the program exceeds the number of places available, applicants will be prioritized as follows:

1. Applicants with Bachelor degrees in Business management in Zootechnics, Bachelor degrees in Plant Production, Bachelor degrees in Horticulture and Bachelor degrees in Plant protection, from the University of Prishtina. Applicants with Bachelor degrees in Plant Production Technology and Bachelor degrees in Agro-environment and Agro-ecology from the University Hazhi Zeka in Pejë
2. Applicants with a Bachelor's degree in Biology, Geography, Geodesy, Food technology, Biotechnology and other related fields from UP, UHZ and other Kosovo's or international universities.
3. Other applicants

If the number of qualified applicants (from the group 1) to the program exceeds the number of places available, applicants will be prioritized according to the following criteria (listed below in prioritized order):

- Grade point average (at least 8.0)
- Highest marks in following subjects biology, plant science or ecology
- Level of English language proficiency

If the number of qualified applicants (from the group 2) to the program exceeds the number of places available, applicants will be prioritized according to the following criteria (listed below in prioritized order):

- ECTS credits acquired within the following area: Biology, plant science or ecology, Natural resources and spatial planning and Agro-economics
- Highest marks in following subjects biology, plant science, ecology, spatial planning and Agro-economics
- Level of English language proficiency