



BLENDED INTENSIVE PROGRAMME

GENERAL INFORMATION

BIP Title	Challenges of Agriculture for a Sustainable Future
BIP Code	2024-1-RO01-KA131-HED-000224155-3
Coordinating Institution - Faculty	University of Agronomic Sciences and Veterinary Medicine of Bucharest (USAMVB) - Faculty of Agriculture
Dates for physical mobility	April 20-24, 2026
Proposed period for virtual component	April 15-17, 2026 April 29-30, 2026
Priorities addressed	<input type="checkbox"/> Inclusion and diversity <input checked="" type="checkbox"/> Digital transformation <input checked="" type="checkbox"/> Environment and fight against climate change <input type="checkbox"/> Participation in democratic life <input checked="" type="checkbox"/> Others
ECTS	3
Objectives and short description / abstract	<p>The BIP offers participants a comprehensive and multidisciplinary learning experience designed to bridge theoretical knowledge with practical application.</p> <p>Through a combination of online and in-person learning, the program explores the relationship between agriculture and ecosystems, emphasizing sustainable techniques such as organic farming, agroforestry, and conservation practices. Participants will investigate the impacts of climate change on agricultural systems and develop strategies for adaptation and mitigation, while also engaging with emerging technologies and innovations that support sustainable production.</p> <p>Field visits, interactive workshops, and real-world case studies will provide hands-on experience, fostering the development of practical skills and critical thinking. The program also aims to</p>

	create a collaborative platform where bachelor's and master's students, experts, and academics can exchange knowledge and build networks that advance sustainability in agriculture at both local and global levels.
Methods (including final evaluation method) and results / learning outcomes	<p>Final evaluation method: project</p> <p>Learning outcomes - At the end of the Blended Intensive Programme, the students will be able to:</p> <ol style="list-style-type: none"> 1. Demonstrate a multidisciplinary understanding of sustainable agriculture by integrating ecological, technological, and socio-economic perspectives. 2. Analyze the environmental impact of agricultural activities and identify sustainable farming techniques such as organic agriculture, agroforestry systems, soil conservation practices, or integrated pest management. 3. Develop adaptation and mitigation strategies to address the effects of climate change on agriculture and to reduce greenhouse gas emissions. 4. Apply innovative technologies and tools that support sustainable agricultural practices. 5. Evaluate and discuss sustainability policies and standards at both national and international levels. 6. Engage in experiential learning through field visits, case studies, and practical workshops to translate theory into practice. 7. Share ideas and experiences on sustainable agriculture with colleagues and experts in the field.
Partner institutions	<ol style="list-style-type: none"> 1. Ege University (TR) 2. Trakia University (BG) 3. Latvia University of Life Sciences and Technologies (LV) 4. University of Göttingen (DE) 5. International Hellenic University (GR)
Total number of learning hours	75 hours, divided as follows: 20 hours of virtual component 40 hours of physical mobility (minimum 5 days) 15 individual study hours
Scientific coordinator	Assoc. prof. dr. Elena Mirela DUȘA (mirela.dusa@agro-bucuresti.ro)
Administrative coordinator	Irina TOMAȘU (incoming.erasmus@usamv.ro)

Teaching team (professors from partner universities are welcomed to teach)	<ol style="list-style-type: none"> 1. Prof. dr. Viorel ION - USAMVB 2. Prof. dr. Daniel DUNEA - Valahia University 3. Prof. dr. Ozgur TATAR - Ege University 4. Assoc. prof. dr. Maria TOADER - USAMVB 5. Assoc. prof. dr. Elena Mirela DUȘA - USAMVB 6. Assoc. prof. dr. Alina UDROIU - USAMVB 7. Lecturer dr. Mihai ENESCU - USAMVB 8. Eng. Marian GHEORGHE - Lemken Company
Number of learners	18
Target group / learner profile (study level, specialisation etc)	Bachelor's or Master's degree in Agriculture or a closely related field
Selection criteria (English language level, prerequisites)	English B1/B2 Knowledgeable in agricultural science

TEACHING CONTENT

	Daily program	Content - lectures, workshops, educational trips.
Virtual component	April 15, 2026	<ul style="list-style-type: none"> • Welcome speech, short presentation of the BIP, presentation of the universities/faculties; • Presentation of the blended intensive program (BIP); • Teachers' presentation; • Students' introductory presentations.
	April 16, 2026	<ul style="list-style-type: none"> • <i>Lecture:</i> Benefits of the agroforestry systems provided to humanity; • <i>Lecture:</i> Agrivoltaic systems, an alternative for sustainable agriculture.
	April 17, 2026	<ul style="list-style-type: none"> • <i>Lecture:</i> Integrated pest management systems in the context of climate change and negative effects of conventional agricultural production systems on biodiversity; • Conclusions from the first virtual session.
	April 29, 2026	<ul style="list-style-type: none"> • <i>Lecture:</i> The principles of organic agriculture;

		<ul style="list-style-type: none"> • Students' projects preparation (15 hours).
	April 30, 2026	<ul style="list-style-type: none"> • Students' final projects presentations; • Final conclusions of the BIP.
Physical mobility	April 20, 2026	<ul style="list-style-type: none"> • Welcome meeting ("Agronomie – Herăstrău" Campus, Rectorate Building, Senate Hall); • Guided Tour „Agronomie-Herăstrău” Campus; • Team organization and topic selection; • Lecture: <i>"European Oil Crops: Trends and Perspectives"</i>; • Lunch break (1.5 hours free time) • Lecture and seminar <i>"High-throughput phenotyping for climate-resilient cropping: from sensors to decisions"</i>; • Romanian traditional dinner.
	April 21, 2026	<ul style="list-style-type: none"> • Lecture and practical work in the campus <i>"Crop monitoring and yield assessment under climate change impacts"</i>; • Case studies working group; • Lunch break (1.5 hours free time) • Lecture and practical work in the campus <i>"Man & wood – A lifelong relationship"</i>; • Leisure time.
	April 22, 2026	<ul style="list-style-type: none"> • Visiting Field Seeds Academy (lecture), Buzău county; • Lunch in Buzău; • Visiting Berca Mud Volcanoes, Buzău County.
	April 23, 2026	<ul style="list-style-type: none"> • Farm visit in Găgeni village, Prahova • Lunch in Sinaia; • Visit to Peleş Castle, Sinaia, Prahova county.
	April 24, 2026	<ul style="list-style-type: none"> • Visit to Moara Domnească Research and Didactic Station Visit theme: <i>"Sustainable digital agriculture"</i>; • Lunch break (1.5 hours free time) • Case studies in work groups; • Closing ceremony.