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AgriGREEN

SUSTAINABLE AGRICULTURE
FOR GREENER FUTURE

AgriGREEN COURSES - Agricultural Policy and Sustainable Development

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Abstract	The “Realized courses” is a deliverable within WP5 entitled “AgriGREEN COURSES”. This report shows realization of the first AgriGREEN course Agricultural Policy and Sustainable Development.
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VERSIONING AND CONTRIBUTION HISTORY

Version	Date	Description	Responsible members
1.0	11/6/2024	Draft	Bojan Matkovski, Danilo Đokić, Žana Jurjević
1.1	1/8/2024	Final (First year)	Bojan Matkovski, Danilo Đokić, Žana Jurjević
1.2.	27/11/2025	Final	Bojan Matkovski, Danilo Đokić, Žana Jurjević



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LIST OF ACRONYMS

WP Work package

AgriGREEN Jean Monnet Centre of Excellence: Sustainable Agriculture for Greener Future

JMCE Jean Monnet Centre of Excellence

UNS University of Novi Sad



INTRODUCTION

The primary objective of the **Jean Monnet Centre of Excellence (JMCE): Sustainable Agriculture for a Greener Future – AgriGREEN** project is to disseminate knowledge about the European Union and its policies, with particular emphasis on the EU's agricultural policy, the Farm to Fork Strategy, and the broader concept of agricultural sustainability. A key aim of the project is to engage students of the Faculty of Economics at the University of Novi Sad (UNS), where EU-related topics have traditionally received limited attention. To support this goal, a new academic course titled **Agricultural Policy and Sustainable Development** has been developed.

This course has been integrated into the new curriculum of the Faculty of Economics for students enrolled in the study program **Economics – Agribusiness and Rural Development module** (approximately 40 students), as well as for students of **International Economics and Business** in their third year of undergraduate studies. It was introduced in the **2021/2022 academic year** as an enhanced and expanded version of the former course *Agricultural Policy of the European Union*, which concluded in the second year of the project.

The course will remain part of the curriculum for **a minimum of seven years**, corresponding to the duration of the accreditation cycle for higher education institutions in Serbia. Its content focuses on key EU-related topics, structured as follows:

1. **Introduction to Agricultural Policy**
 - 2 hours of lectures + 2 hours of tutorials per location
 - Total: 4 hours per location / 8 hours overall
2. **Agricultural Policy of the European Union**
 - 4 hours of lectures + 4 hours of tutorials per location
 - Total: 8 hours per location / 16 hours overall
3. **Agriculture and the Environment**
 - 2 hours of lectures + 2 hours of tutorials per location
 - Total: 4 hours per location / 8 hours overall
4. **Sustainable Development of Agriculture**
 - 4 hours of lectures + 4 hours of tutorials per location
 - Total: 8 hours per location / 16 hours overall



DESCRIPTION OF COURSE AND CURICULLA

As Serbia progresses on its path toward European Union integration, equipping students and young professionals with knowledge of EU policies and values has become increasingly important. Such competencies are essential not only for their academic development but also for their future professional engagement in fields influenced by EU regulations and standards. One of the specific objectives of the AgriGREEN project is to **introduce and educate University of Novi Sad (UNS) students on contemporary EU agricultural policy and the Farm to Fork (F2F) Strategy**, while ensuring the long-term use of project results by integrating the key elements of the Common Agricultural Policy (CAP) and the F2F Strategy into the curriculum of the Faculty of Economics. To support this objective, a new course titled **Agricultural Policy and Sustainable Development** has been developed. The course is presented to students on the official project website (<https://agrigreen.ef.uns.ac.rs/>), as shown in **Picture 1**. The course syllabus was prepared by **Danilo Đokić** and **Stanislav Zekić**, and is provided in **Table 1**.

Table 1. Description of course Agricultural policy and sustainable development

Study program: Economics and Business
Course title: Agricultural policy and Sustainable Development
Teacher (for lectures): Danilo Đokić
Status of the course (Obligatory/elective): Obligatory at the module Agribusiness and Rural Development / elective at the module International Economics and Business
Number of ECTS: 6
Goal of the course The goal of studying the teaching discipline is for students to understand the economic laws of agricultural development in the process of economic growth and analysis of agricultural policy measures and instruments and their potential effects on sustainable agricultural development, especially within the European Union and Serbia framework.
Learning outcome Mastering agricultural policy and sustainable development knowledge, training students for professional economic analysis of agricultural policy measures, and creating economic instruments for sustainable agricultural development.
Syllabi Theoretical part 1. Introduction to Agricultural policy (2 lecture hours + 2 tutorial hours = 4 hours per location, total 8 hours)



- | |
|---|
| 2. Agricultural policy of the EU (4 lecture hours + 4 tutorial hours = 8 hours per location, total 16 hours) |
| 3. Agriculture and the environment (2 lecture hours + 2 tutorial hours = 4 hours per location, total 8 hours) |
| 4. Sustainable development of agriculture (4 lecture hours + 4 tutorial hours = 8 hours) |

Main literature

- Sachs, J. D. (2015). *The age of sustainable development*. Columbia University Press.
- Harris, J. M., & Roach, B. (2017). *Environmental and natural resource economics: A contemporary approach*. Routledge.
- Hill, B. (2012). *Understanding the common agricultural policy*. Routledge.

Teaching methods

Lectures, exercises, creation and discussion of a case study, using software packages for quantitative simulations in agricultural economics.

Knowledge assessment (maximum number of points 100)

Pre-exam obligations	Points	Final exam	Points
activities during semester	5	written exam	
practical part		oral exam	30
colloquium	50 (20+30)		
seminar paper/project	15 (1*15)		

Picture 1. AgrGREEN webpage of courses

 Panel discussions Farm to Fork Strategy, Organic production, Agriculture 4.0.	 UNS Students Reaching out to students from the Faculty of Economics (UNS).	 Agribusiness companies Realization of workshops where students will gain practical knowledge.
 Courses Realization of two courses and one intensive training course.	 Scientific papers Publication of scientific papers in international high-ranked journals.	 Contact us For all questions and information, contact our team.



REALISATION OF COURSE

First year of realisation of course (2023/2024)

Agricultural Policy and Sustainable Development course at the Faculty of Economics has been in the Faculty's curricula since the 20021/22 school year, and it was held at two locations (Subotica and Novi Sad). In school year (2023/2024), classes took place live in two locations - Subotica and Novi Sad. Communication with students is also possible through the Teams which contains all relevant information needed by students. This platform is used to support the teaching process. The layout of the platform is shown in Picture 2. During the course, students could download all the materials (books, presentations, case studies) via this platform. The total number of students on the course was 41.

Picture 2. The course interface on the Teams

The screenshot shows the Microsoft Teams interface for a course named 'Аграрна политика и одрж...'. The left sidebar shows various team channels: Home page, Class Notebook, Classwork, Assignments, Grades, Reflect, and Insights. The 'Main Channels' section shows 'General'. The right pane shows the 'General' channel with a list of files. The table below lists the files:

Ime	Izmenjeno	Izmenio
Literatura	18. oktobar 2023	Данило Ђокић
Prezentacije	24. oktobar 2023	Данило Ђокић
Projektna prijava	18. oktobar 2023	Данило Ђокић
TIMSKI RAD	2. novembar 2023	Бојан Матковски
.NS APOR Okvirni Plan rada 2023-24.pdf	18. oktobar 2023	Данило Ђокић
3 Gantogram.xlsx	24. decembar 2023	Невена Гајић
APOR NS - UKUPNI BODOVI.pdf	21. januar	Данило Ђокић

During the course, lectures and tutorials (2+2 hours in row) were held in Subotica on Friday from 10:00 to 13:45 in classroom S5, in Novi Sad on Wednesday from 15:00 to 18:20 in classroom S1. Working plan can be found in Annex A. New materials for lectures was available at Teams platform and can be found in Annex B. These new materials deal with following topics: Introduction to Agricultural policy, Agricultural policy of the EU, Agriculture and the environment, Sustainable development of agriculture. The tutorials are organized in workshops that teach students project management. The main task was for the students to write a project application regarding a public call for financing a sustainable development project. An example of a public call can be found in Annex C. The students were divided into six groups, and their solutions can be found in Annex D. Two colloquiums were organized during the semester, while a final exam was organized at the end. Table 2 shows achieved points.



Table 2. Pre-exam and Final Exam Results of Students

N	Surname	Ime	K1	K2	Project	Activity	Exam	Total	Grade
1			26	15	15	5	30	91	10
2			22	12	2	0			
3			26	17	10	5			
4			15	13	9	1	16	54	6
5			17	15	3	1	16	52	6
6			24	15	7	5	30	81	9
7			24	14	15	3	25	81	9
8			29	18	15	5	30	98	10
9			25	16	15	5	30	96	10
10			28	19	15	5	30	97	10
11			27	16	1	1	28	73	8
12			18	14	1	1	27	61	7
13			24	18	15	5	30	92	10
14			28	13	15	5	30	91	10
15			16	12	4	3			
16			18	14	1	0	18	51	6
17			16	13	0	0		29	
18			20	12	14	1	16	63	7
19			21	13	0	0	17	51	6
20			28	18	15	5	30	96	10
21			18	12	5	3		38	
22			17		5	1			
23					3	1			
24			23	12	14	4	30	83	9
25			15		0	0			
26			21	13	3	1	23	61	7
27			26	16	11	2			
28			25	17	14	5	30	91	10
29			23	19	11	3	29	85	9
30			24	14	2	0	16	56	6
31			26	12	9	0	20	67	7
32			28	18	12	3	30	91	10
33			30	17	12	5	27	91	10
34			21	12	9	5		47	
35			20	12	15	5	16	68	7
36			25	12	15	5	16	73	8
37			16	10	15	5	16	62	7
38			15	10	12	3		40	
39			22	10	16	5	16	69	7
40			18	12	16	5	16	67	7
41			15	11	0	0		26	



The pass rate of students in the course can generally be assessed as satisfactory. Namely, out of the total number of students, 71% of students passed (12 students have yet to pass the exam so far), and the average grade on the final exam is 8.2. Most of the students completed the pre-exam obligations during the semester. The evaluation of the teacher's work showed that the students were satisfied with the work of the professor. The teacher's job was evaluated with high average grades in lectures and tutorials which can be found in Annex G. The attendance list is in Annex F.

Second Year of Course Implementation (2024/2025)

In the 2024/2025 academic year, teaching activities were conducted in person at two locations—Subotica and Novi Sad. The regular schedule was disrupted in December due to the blockade of universities in Serbia, which temporarily suspended all classes. Instruction resumed during the summer semester, with approximately 20% of the course delivered online via the Microsoft Teams platform. Teams was also used as the primary channel for communication with students and served as a central repository for all course-related information. Through this platform, students had access to learning materials including textbooks, lecture presentations, and case studies. The platform's interface is presented in Picture 3. The total number of enrolled students in the course was 39.

Picture 3. The course interface on the Teams

The screenshot shows the Microsoft Teams interface for a course titled 'Аграрна политика и одрж...'. The left sidebar shows navigation links: Activity, Chat, Teams, Assignments, Calendar, Calls, OneDrive, and Apps. The main area shows the 'General' channel with a file list. The file list table has columns: Ime (Name), Izmenjeno (Last modified), and Izmenio (Last modified by). The files listed are:

Ime	Izmenjeno	Izmenio
Literatura	18. oktobar 2023	Данило Ђокић
Prezentacije	24. oktobar 2023	Данило Ђокић
Projektna prijava	18. oktobar 2023	Данило Ђокић
TIMSKI RAD	2. novembar 2023	Бојан Матковски
.NS APOR Okvirni Plan rada 2023-24.pdf	18. oktobar 2023	Данило Ђокић
3 Gantogram.xlsx	24. decembar 2023	Невена Гајић
APOR NS - UKUPNI BODOVI.pdf	21. januar	Данило Ђокић

During the course, lectures and tutorials (organized as 2+2 hours consecutively) were delivered at two locations. In Subotica, classes were held on Tuesdays from 12:00 to 15:45 in classroom S5, while in Novi Sad they took place on Mondays from 11:30 to 14:50 in classroom L2. The detailed work plan is provided in Annex A2.



New lecture materials were uploaded regularly to the Microsoft Teams platform and are included in Annex B. These materials cover the following topics: Introduction to Agricultural Policy, EU Agricultural Policy, Agriculture and the Environment, and Sustainable Development of Agriculture.

Tutorials were structured as practical workshops focused on developing students' project management skills. The main assignment required students to prepare a full project application in response to a public call for funding a sustainable development initiative. An example of such a public call is provided in Annex C. Examples of their completed project proposals are presented in Annex D.

Two colloquia were administered during the semester, followed by a final exam at the end of the course. Table 3 presents the distribution of achieved points.

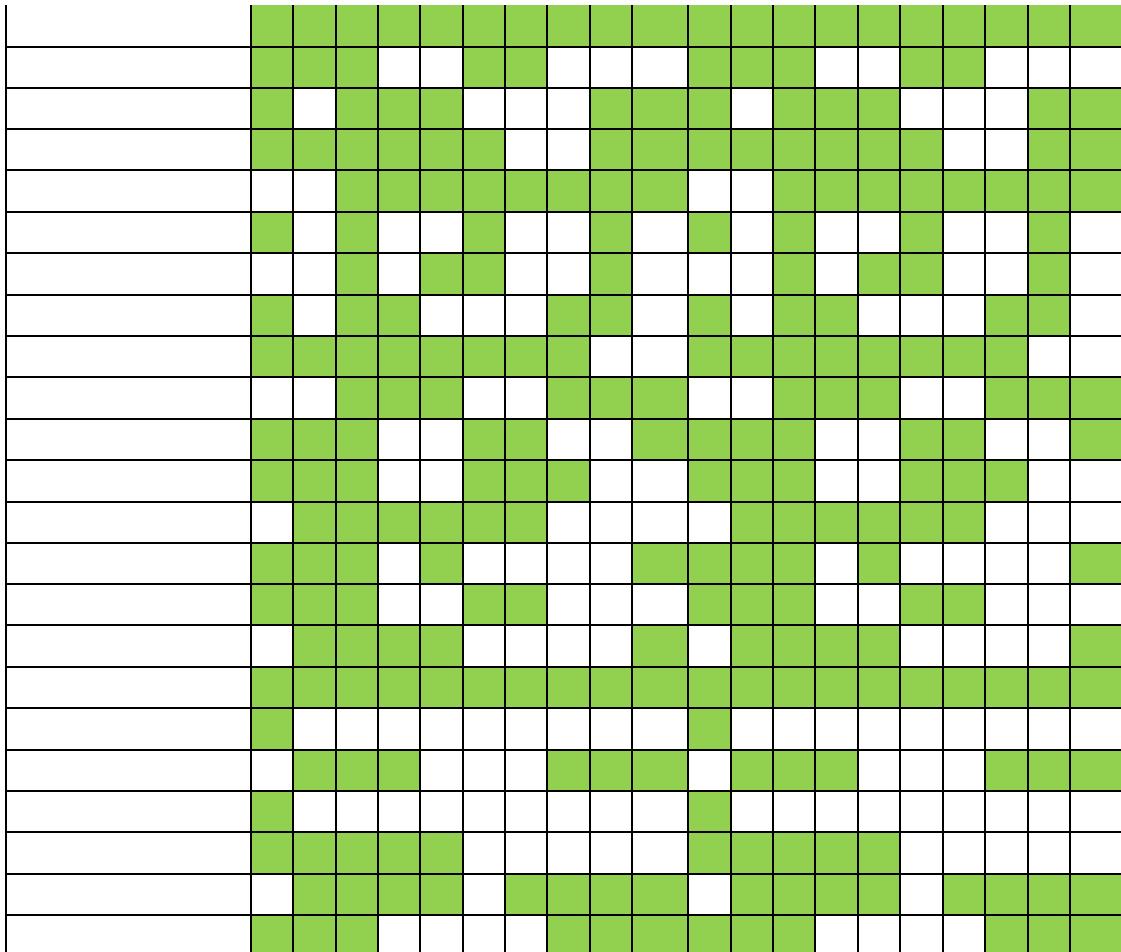
Table 3. Pre-exam and Final Exam Results of Students

	Surname and name	K1	K2	Project	Activity	Exam	Total	Grade
1		25		9	3		37	
2		29	20	5	1	16	71	8
3		23	20	5	0	27	75	8
4		20	15	2	0	16	53	6
5		23	11	10	2	25	71	8
6		22	17	0	0	28	67	7
7		27	14	12	0	20	73	8
8		23	11	3	0	24	61	7
9		25	18	4	3	16	66	7
10		26		5	5		36	
11		24		1	0		25	
12		19	18	6	0	18	61	7
13		18	12	11	1	16	58	6
14		0		4	0		4	
15		23	16	5	5	16	65	7
16		28	20	8	5	30	91	10
17		26	19	5	0	18	86	7
18		16		11	5		32	
19		22	15	3	1	16	57	6
20		19	12	3	0	17	51	6
21		24	17	10	5	25	81	9
22		27		5	3		35	
23		27	17	11	2	25	82	9
24		26	16	9	5	25	81	9
25		18		3	0		21	
26		15		3	1		19	
27		20	20	3	3	16	62	7
28				0	0		0	

29		22	15	12	2		51	
30		17	13	4	0	21	55	6
31		24	14	10	3	16	67	7
32		22	15	7	0	27	71	8
33		28	20	15	5	30	98	10
34				0	0		0	
35		21	19	5	1	20	66	7
36				0	0		0	
37		21		0	0		21	
38		25	18	5	2	16	66	7
39		25	15	4	2	22	68	7

The overall pass rate in the course can be assessed as satisfactory. Of the total number of enrolled students, 67% successfully passed the exam, while 13 students have not yet completed the final assessment. The average final exam grade was 7.5. Most students fulfilled their continuous assessment obligations during the semester. Student feedback on teaching quality indicates a high level of satisfaction with the instructor's work. The teacher received consistently strong evaluations for both lectures and tutorials. Starting this academic year, the Faculty introduced a new system for monitoring class attendance. The system generates a unique QR code for each session, which students scan to register their presence. The attendance report, (downloaded from the platform <https://evidencija.ef.uns.ac.rs/>) is provided in Tabel 4.

Table 4. Attendance list



ANNEXES

Annex A_Working plan for course

Annex A_Working plan for course

Annex B_Literature

Annex C_Tutorials Case Study

Annex D-Student's solutions

Annex F-Attendance list_APOR

Annex G-Evaluation of the course