

Course code:

Plan position:

A. INFORMATION ABOUT THE COURSE

B. Basic information

Name of course	Sustainable development
Field of studies	International Studies
Level of studies	
Profile of studies	
Form of studies	
Specialty	
Unit responsible for the field of studies	Faculty of Agriculture and Biotechnology, Department of Agronomy
Name and academic degree of teacher(s)	Assoc. Prof. Dr. Piotr Prus, PhD
Introductory courses	not required
Introductory requirements	not required

C. Semester/week schedule of classes

Semester	Lectures (W)	Auditorium classes (Ć)	Laboratory classes (L)	Project classes (P)	Seminar (S)	Field classes (T)	Number of ECTS points
	15	15					6

2. LEARNING OUTCOME

No.	Learning outcomes description	The reference to the learning outcomes of specific field of study	The reference to the learning outcomes for the area
KNOWLEDGE			
W1	Students have knowledge of ecology and environmental protection	K_W12	P6S_WK
W2	Students have knowledge of the ethical, legal, economic, social and ecological foundations and conditions of sustainable development	K_W14	P6S_WK
SKILLS			
U1	Students are able to define the types of anthropogenic threats arising in the natural environment and are able to interpret these phenomena in terms of their impact on the state of the natural environment	K_U08	P6S_UW
U2	Students independently observe and interpret natural conditions and phenomena, analyzing them in connection with human activities and propose solutions in this area	K_U11	P6S_UO P6S_UW
SOCIAL COMPETENCES			

K1	Students are ready to assess the effects of their activities in the field of broadly understood sustainable development	K_K04	P6S_KR P6S_KO
K2	Students are ready for continuous training and improvement in the field of their activities in the context of the concept of sustainable development and for a critical assessment of their knowledge	K_K05	P6S_KO

3. TEACHING METHODS

A. Traditional methods used ***

multimedia lectures, discussion, workshops, case studies, didactic games

B. Distance learning methods used ***

<p>Synchronous method remote lectures in the form of videoconferences in emergency situations (specified by the Rector's Ordinance)</p>
<p>Asynchronous method online educational videos in emergency situations (specified by the Rector's Ordinance)</p>

4. METHODS OF EXAMINATION

<p>oral colloquium or written test (to be chosen by the students) pass conditions: <u>lectures</u> W1, W2 - obtaining at least 51% of points confirming the achievement of each of the learning outcomes listed in point 2 <u>auditorium classes</u> attendance required for at least 80% of classes project in groups (U1, U2, K1, K2) obtaining at least 51% of points confirming the achievement of the learning effect listed in point 2 Components of the final assessment: - 0.5 - oral colloquium or written test, - 0.4 - group project, - 0.1 - activity in class (at least 2 activities noted by the teacher in the class diary)</p>
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5. SCOPE

Lectures	Introductory issues concerning the theory of sustainable development. The road to sustainable development - historical background and future perspectives. Ethical foundations and conditions for sustainable development. Selected aspects of human activities in the natural environment. Social development in the context of the theory of sustainable development. Sustainable development of agriculture and rural areas. Towards sustainable mobility. The concept of the ecological footprint in individual and global terms. Components of the world's ecological footprint. The level of consumption of selected natural resources in the world. Energy - from fossil fuels to green energy sources. From intention to action - implementing sustainable development.
Auditorium classes	Application of game theory to understand problems related to creating sustainable development. Didactic (simulation) games in the context of understanding the principles of sustainable development. Estimating the value of the ecological footprint on an individual level. Consumerism and its consequences. The use of heuristic methods in solving problems related to creating sustainable development. Good practices in the implementation of sustainable development goals.

6. METHODS OF VERIFICATION OF LEARNING OUTCOMES

LEARNING OUTCOME	Form of assessment					
	Oral colloquium or written test	Written exam	Colloquium	Project	Presentation
W1	x					
W2	x					
U1				x		
U2				x		
K1				x		
K2				x		

7. LITERATURE

Basic literature	<p>Kronenberg, J., Bergier, T. (ed.), 2010. Challenges of sustainable development in Poland, Sendzimir Foundation, Kraków, Poland (on-line): https://sendzimir.org.pl/wp-content/uploads/2019/05/Challenges_of_Sustainable_Development_in_Poland.pdf (accessed 10.05.2023)</p> <p>Sustainable Development a Baltic University Programme Course (on-line): https://www.balticuniv.uu.se/digitalAssets/684/c_684600-1_1-k_sustainable-development-course.pdf (accessed 10.05.2023)</p>
Supplementary literature	<p>Dalal-Clayton, B., Bass, S., 2002. Sustainable development strategies. Earthscan Publications Ltd London, Sterling, VA (on-line): http://ir.harambeeuniversity.edu.et/bitstream/handle/123456789/639/Sustainable%20Development%20Strategies.pdf?sequence=1&isAllowed=y (accessed 10.05.2023)</p> <p>Munasinghe, M., 2009. Sustainable development in practice. Cambridge: New York, NY, USA. (on-line): https://www.researchgate.net/profile/Mohan-Munasinghe/publication/227389953_Sustainable_Development_in_Practice_Sustainomics_Methodology_and_Applications/links/56b0c7fa08ae9f0ff7b771f9/Sustainable-Development-in-Practice-Sustainomics-Methodology-and-Applications.pdf (accessed 10.05.2023)</p> <p>Prus, P., 2017. Sustainable farming production and its impact on the natural environment-case study based on a selected group of farmers. In International scientific conference RURAL DEVELOPMENT 2017, pp. 1280-1285, http://doi.org/10.15544/RD.2017.226</p> <p>Prus, P.; Sikora, M., 2021. The Impact of Transport Infrastructure on the Sustainable Development of the Region—Case Study. Agriculture, 11, 279. https://doi.org/10.3390/agriculture11040279</p>

8. TOTAL STUDENT WORKLOAD REQUIRED TO ACHIEVE EXPECTED LEARNING OUTCOMES EXPRESSED IN TIME AND ECTS CREDITS

Student's activity		Student workload—number of hours
Classes conducted under a direct supervision of an academic teacher or other persons responsible for classes	Participation in classes indicated in point 1B	30
	Supervision hours	2
Student's own work	Preparation for classes	42
	Reading assignments	46
	Other (preparation for exams, tests, carrying out a project etc)	30

Total student workload	150
Number of ECTS points	6