



JAGIELLONIAN  
UNIVERSITY  
IN KRAKÓW

## Core Economics and Sustainable Development III

### Educational subject description sheet

#### Basic information

<b>Field of study</b> Joint Bachelor in Sustainability		<b>Education cycle</b> 2025/26	
<b>Speciality</b> Geography & Economics		<b>Subject code</b> UJ.WPAJBSGECES.8100.16523.25	
<b>Organizational unit</b> Faculty of Law and Administration		<b>Lecture languages</b> english	
<b>Study level</b> first cycle (joint degree programme)		<b>Subject related to scientific research</b> Yes	
<b>Study form</b> full-time degree programme		<b>Disciplines</b> Economics and finance	
<b>Education profile</b> General academic		<b>ISCED classification</b> 0311 Economics	
<b>Mandatory</b> obligatory		<b>USOS code</b>	
<b>Subject coordinator</b>	Piotr Szwedo		
<b>Lecturer</b>	Marc Chesney, Liza Charroin, Stijn Vanormelingen		
<b>Period</b> Semester 5	<b>Examination</b> exam	<b>Number of ECTS points</b> 5.0	
	<b>Activities and hours</b> Discussion class: 45		

#### Goals

C1	Understanding the impact of human behaviour and society in the context of sustainability-related economic issues
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#### Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
<b>Knowledge - Student knows and understands:</b>			
W1	The student can give examples of dilemmas related to behavioural economics and economic growth, hypothesizing on the optimal course of action.	JBS_K1_W03	written exam
W2	The student can identify behavioural and economic challenges related to sustainability, which are specific to selected cultural, geographical, and political contexts.	JBS_K1_W04	written exam
W3	The student can describe interconnections between various aspects of sustainability based on examples from the field of behavioural economics and risk studies.	JBS_K1_W06	written exam
<b>Skills - Student can:</b>			
U1	present and report problems and solutions linked to uncertainty and behavioural economics, clearly and comprehensively, in different forms destined for different audiences.	JBS_K1_U02	written exam
<b>Social competences - Student is ready for:</b>			
K1	to consider different visions of the future of economic growth and develop their own evidence-based opinions in reference to behavioural economics and the balance of sustainability-related values.	JBS_K1_K03	written exam
K2	to defend the importance of scientific data and methods as a basis for decision-making.	JBS_K1_K05	written exam

### Calculation of ECTS points

Activity form	Activity hours*
Discussion class	45
problem analysis	45
preparation for the exam	30
preparation for classes	15
<b>Student workload</b>	<b>Hours</b> 135
	<b>ECTS</b> 5.0

\* hour means 45 minutes

### Study content

No.	Course content	Subject's learning outcomes
1.	Section 1: Risks, Uncertainty and the Environment 4.1.22. Uncertainty and Irreversibility	W1, W2, W3, U1, K1, K2

No.	Course content	Subject's learning outcomes
2.	Risk Assessment Policy Issues	W1, W2, W3, U1, K1, K2
3.	Uncertainty in Estimating the Benefits of Mitigating Environmental Damages	W1, W2, W3, U1, K1, K2
4.	Uncertainty in the Costs of Mitigating Environmental Damages	W1, W2, W3, U1, K1, K2
5.	Instrument Choice under Uncertainty	W1, W2, W3, U1, K1, K2
6.	Section 2: Behavioral Economics 4.1.23 Economic decision-making: the impact of presentation mode and reference point.	W1, W2, W3, U1, K1, K2
7.	The role of emotions, cognitive biases and bounded rationality on economic choices.	W1, W2, W3, U1, K1, K2
8.	Economic behavior in the face of uncertainty and over time.	W1, W2, W3, U1, K1, K2
9.	How to behave economically in the presence of other players? Strategy, beliefs and social preferences.	W1, W2, W3, U1, K1, K2
10.	Behavior in markets: goods and services, auctions, insurance and financial markets	W1, W2, W3, U1, K1, K2
11.	Section 3: Economic Growth 4.1.24 Introduction + facts economic growth	W1, W2, W3, U1, K1, K2
12.	Factor accumulation: physical capital	W1, W2, W3, U1, K1, K2
13.	Human capital	W1, W2, W3, U1, K1, K2
14.	Productivity: concept and measurement	W1, W2, W3, U1, K1, K2
15.	Productivity: role of technology in growth	W1, W2, W3, U1, K1, K2
16.	Government/institutions	W1, W2, W3, U1, K1, K2
17.	Income inequality	W1, W2, W3, U1, K1, K2

## Course advanced

### Teaching methods :

text analysis, brainstorming, conversation lecture, practicals

Activities	Examination methods	Credit conditions
Discussion class	written exam	Active participation (non-graded), written exam based on open questions (graded).

## Entry requirements

None

## Literature

### Obligatory

1. Core Econ Team (2024), The Economy 2.0 : Microeconomics, url : <https://www.core-econ.org/project/the-economy-2-0-microeconomics/>
2. Core Econ Team (2024), The Economy 2.0 : Macroeconomics, url : <https://www.core-econ.org/new-edition-of-the-economy/>
3. Core Econ Team (2024), Experiencing Economics, url : <https://www.core-econ.org/project/experiencing-economics/>
4. Core Econ Team (2024), The Economy 1.0, url : <https://www.core-econ.org/project/core-the-economy/>
5. Core Econ Team (2024), Doing Economics, url : <https://www.core-econ.org/project/doing-economics/>
6. Core Econ Team (2024), Economy, Society, and Public Policy, url : <https://www.core-econ.org/project/core-espp/>

## Effects

Code	Content
JBS_K1_K03	The graduate can consider different visions of the future and develop own evidence-based opinions in reference to the balance of values linked to economic development, social welfare, and environmental protection.
JBS_K1_K05	The graduate can defend the importance of scientific data and methods as a basis for decision-making.
JBS_K1_U02	The graduate can present and report knowledge, methodologies, ideas, problems and solutions, clearly and comprehensively, in different forms destined for different audiences - including discussions and debates which require defending a substantiated opinion, as well as conversations in a foreign language at the CEFR B2 level.
JBS_K1_W03	The graduate can give examples of sustainability-related dilemmas and hypothesize on the optimal course of action.
JBS_K1_W04	The graduate can identify sustainability-related problems specific to selected cultural, geographical, and political contexts.
JBS_K1_W06	The graduate can describe interconnections between various aspects of sustainability and identify their significance in the context of natural and social sciences, with a special focus on disciplines included in the selected specialisation track (law and politics; chemistry and physics; chemistry and biology; economics and geography; economics, management and engineering; humanities).