Core Economics and Sustainable Development II

Educational subject description sheet

Basic information

Field of study Joint Bachelor in Sustainability	**Education cycle** 2025/26
Speciality Geography & Economics	**Subject code** UJ.WPAJBSGECS.880.16520.25
Organizational unit Faculty of Law and Administration	**Lecture languages** english
Study level first cycle (joint degree programme)	**Subject related to scientific research** Yes
Study form full-time degree programme	**Disciplines** Economics and finance
Education profile General academic	**ISCED classification** 0311 Economics
Mandatory obligatory	**USOS code**

Subject coordinator	Piotr Szwedo
Lecturer	Camille Hémet, Omar Joya, Rémi Bazillier

Period Semester 4	**Examination** exam **Activities and hours** Discussion class: 45	**Number of ECTS points** 5.0

Goals

C1	Understanding the impact of human behaviour and society in sustainability-related economic issues

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	the concept of sustainability in the context of macroeconomics and development economics, recognizing the differences in relevant definitions, models and approaches.	JBS_K1_W01	written exam
W2	the axiological background of development economics in the context of sustainabilities and can summarize key theories and concepts.	JBS_K1_W02, JBS_K1_W04	written exam
W3	interconnections between macroeconomics, economic development, and sustainability, identifying their significance across disciplines based on case examples.	JBS_K1_W06	written exam
Skills – Student can:			
U1	present key macroeconomic ideas and problems, both in a specialist terminology and in simple terms.	JBS_K1_U02	written exam
U2	apply adequate methods and tools, including selected IT tools, to solve problems related to data collection, analysis, and management in the context of sustainability economics, such as using specific development measures.	JBS_K1_U03	written exam
Social competences – Student is ready for:			
K1	to consider different visions of development economics and develop their own evidence-based opinions in reference to the balance of values linked to sustainable development.	JBS_K1_K03	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	
Student workload	**Hours** 135	**ECTS** 5.0

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes
1.	Section 1 : Microeconomics applied to Sustainable Development II: Market Imperfections and Public Goods. 3.1.13 • Introduction: understanding government intervention in market economies • Market power: when there is a limited number of producers or consumers - Let’s talk about cartels • Information asymmetries: when some agents know more than others – Let’s talk about social insurance • Public goods: when no one wants to pay for a service that all can access – Let’s talk about education • Externalities: when agents do not take into account the consequences of their actions on others – Let’s talk about pollution	W1, U1, U2, K1

No.	Course content	Subject's learning outcomes
2.	Section 2 : Macroeconomics applied to Sustainable Development II (code 3.1.14 MacroSD II) • Consumption, Saving, and Investment ◦ Theories of Consumption & Saving ◦ Saving for a Sustainable Future ◦ Investment • Saving & Investment in Open Economies ◦ Balance of Payments, and the Current Account ◦ Saving & Investment in Small Open Economy ◦ Saving & Investment in Large Open Economy • Economic Growth I ◦ Sources of Economic Growth ◦ Rostow’s Stages of Growth ◦ The Harrod-Domer Model ◦ The Solow Model • Economic Growth II ◦ Endogenous Growth Theory ◦ Convergence ◦ Policies to Promote Growth • Unemployment and fiscal policy ◦ Transmission of shocks: The multiplier process ◦ The multiplier model ◦ Fiscal policy ◦ Aggregate demand and Unemployment • Inflation, unemployment, and monetary policy ◦ Sources of inflation ◦ Phillips Curve ◦ Supply shocks and Inflation ◦ Monetary Policy ◦ Exchange rate channel of monetary policy	W1, U1, U2, K1

No.	Course content	Subject's learning outcomes
3.	Section 3: Development Economics: Concept and measurement of Sustainable Development Economics. 3.1.15 • What is Development? An historical perspective • Development theories and concepts • How to measure development: income-based • How to measure development: Human needs and other approaches • How to measure development: Quality of Life	W1, W2, W3, U1, U2, K1

Course advanced

Teaching methods :

text analysis, brainstorming, conversation lecture, practicals

Activities	Examination methods	Credit conditions
Discussion class	written exam	Active participation, written exam based on open questions.

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), Doing Economics, url : https://www.core-econ.org/project/doing-economics/
5. Core Econ Team (2024), The Economy 1.0, url : https://www.core-econ.org/project/core-the-economy/
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_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_U03	The graduate can apply adequate methods and tools, including selected IT tools, to solve problems related to data collection, analysis, and management in the context of sustainability.
JBS_K1_W01	The graduate can describe the concept of sustainability and recognize the differences in relevant definitions, models and approaches.
JBS_K1_W02	The graduate can explain the axiological background of sustainability and summarize key stages of development of the concept.
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).