



Green Economics

Syllabus

ВІІІ 2.2

ECON-431

Quarter/Year: Fall/2022

ECTS Credits: 6

Instructor: Roksoliana Liubachivska, PhD

US Credits: 3

Contact information: roksoliana.liubachivska@uacu.edu.ua

Prerequisites: Macroeconomics, Microeconomics

Course Description

The concept of the course is aimed to introduce a green economy to students, as a new approach of sustainable development and to show increasing international attention due to the fact that countries explore new patterns of development that take into account economic, social and environmental sustainability considerations. This course will explore greening the economy on four levels – individual, business, city, and nation. We will look at the relationships among these levels and give many practical examples of the complexities and solutions across the levels. In addition, we will investigate the impact of green economy benefits on economic and social areas that boost/facilitate states to transition to a green economy.

Course Outcomes

PH1. Responsibly treat professional self-improvement, realizing the need for lifelong learning, show tolerance and readiness for innovative changes.

PH4. Systematize and streamline the information received on the processes and phenomena in the world economy; evaluate and explain the influence of endogenous and exogenous factors on them; formulate conclusions and develop recommendations, considering the peculiarities of the national and international environment.

PH6. Plan, organize, motivate, evaluate and increase the effectiveness of teamwork, conduct research in a group under the leadership of a leader, taking into account today's requirements and features in a limited time.

PH7. Apply the acquired theoretical knowledge to solve practical problems and meaningfully interpret the results.

PH8. Understand, highlight and describe new phenomena, processes and trends of global development, mechanisms and tools for the implementation of economic policy and world integration / disintegration processes, including Euro-Atlantic integration.

PH9. Understand and be able to apply, in accordance with other requirements of the educational program, modern theories and methods of solving specialized complex problems and practical problems in the field of international trade in goods and services, international capital flow, international monetary and financial relations, mobility of human resources, international technology transfer.

PH10. Identify and highlight the features of the functioning of the subjects of international relations and models of their economic development.

PH11. Substantiate own opinion regarding the specific conditions for the implementation of forms of international economic relations at the mega-, macro-, meso- and micro-levels.

PH12. Carry out a comprehensive analysis of complex economic systems, compare and contrast their components, evaluate and justify evaluations of the effectiveness of their functioning.

PH13. Select and skillfully apply analytical tools for studying the state and development prospects of individual segments of the international markets for goods and services using modern knowledge about the methods, forms and tools for regulating international trade.

PH14. Understand and apply theories, principles, means and tools for the implementation of international monetary and financial and credit relations.

PH15. Determine the functional features, nature, level and degree of interconnections between subjects of international economic relations of different levels and establish communications between them.

PH16. Demonstrate knowledge about the state of research in international economic relations and the world economy in an interdisciplinary combination with political, legal, natural sciences.

PH17. Determine the reasons, types and nature of international conflicts and disputes, justify and apply economic, legal and diplomatic methods and means of their solution at the international level, defending the national interests of Ukraine.

PH18. Investigate economic phenomena and processes in the international sphere based on an understanding of categories, laws; highlighting and summarizing trends, patterns of functioning and development of the world economy, taking into account the cause-effect and space-time relationships.

PH20. Defend the national interests of Ukraine, taking into account the security component of international economic relations.

PH22. Apply appropriate methods, rules and principles of functioning of international economic relations for the development of foreign economic activity of Ukraine.

PH23. Recognize the need for lifelong learning in order to maintain a high level of professional competence.

PH24. Substantiate the choice and apply information and analytical tools, economic and statistical calculation methods, complex analysis techniques and methods of monitoring world markets.

Competencies

IK. The ability to solve complex specialized tasks and practical problems in the field of international relations in general and international economic, in particular, as well as in the learning process, which involves the use of new theories and methods in conducting comprehensive research of world economic relations, is characterized by complexity and uncertainty.

3K2. Ability to preserve and multiply moral, cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject

area, its place in the general system of knowledge about nature and society and in the development of society, technology, use different types and forms of motor activities for active recreation and a healthy lifestyle.

3K3. Ability to learn and be modernly trained.

CK1. Ability to identify the distinguishing feature and trends of the world economy, especially the implementation of economic policy and global integration / disintegration processes, including Euro-Atlantic integration.

CK2. Ability to use basic categories and the latest theories, concepts, technologies and methods in the field of international economic relations, taking into account their basic forms, to apply theoretical knowledge on the functioning and development of international economic relations.

CK4. Ability to substantiate the peculiarities of international economic relations forms implementation on mega-, macro-, meso- and micro-levels.

CK15. Ability to apply methods, rules and principles of functioning of international economic relations for the development of foreign economic activity of Ukraine.

Internationality: The course is devoted to study different cases concerning green economy development in rich and poor countries. Thus, students can estimate the gap between green development and current international state. Moreover, a great number of practical cases face students with current global challenges.

Communications

For individual issues, students should contact the professor **ONLY** by given e-mail or by Moodle. In the Subject line they should put: UACUFirstNameLastName. E-mail messages will normally be answered within 24 hours.

Note! Only emails sent from the student's corporate email address will be answered.

Student Responsibilities

Time Commitment

The study of technical courses is cumulative (i.e., an understanding of earlier material is necessary to grasp concepts covered later). Past experience has shown a high correlation between procrastination and low grades. Students must be committed to completing tasks on time.

Technical Aspects

The student is obliged to provide himself/herself with all the necessary technical equipment for the educational process (laptop or computer, webcam, headsets or headphones and microphone), as well as access to the Internet.

Only students signed-in with their own first and last name are allowed into video lectures in Zoom.

Grading Policy

The course is based on mastery of course outcomes. Student grades for this course will be calculated based on performance.

Note: the minimal grade to pass a subject is 60%.

Graduate Grading Guidelines

The assignment of a letter grade for a course is an indication of the student's overall success in achieving the learning outcomes for the course. The course letter grade may be viewed as a summary statement of the student's achievement in individual assessments (assignments & activities). These assessments are intended to identify for students their strengths as well as those areas in need of improvement. Student work is assessed according to the guidelines below.

Course-level Grading guidelines:

Grade	ECTS Grade	International Grade
90% - 100%	A	5 (Excellent)
83% - 89%	B	4 (Very Good)
75% - 82%	C	4 (Good)
70% - 74%	D	3 (Good)
60% - 69%	E	3 (Acceptable)
35% - 59%	FX	Not acceptable, possible repetition of course

Criteria for grading:

ECTS grade	Requirements for the student
A	The student demonstrated a comprehensive systemic and in-depth knowledge of program material; processed basic and additional literature; obtained a solid grasp of the conceptual apparatus, methods, techniques and tools provided by the program; found creative abilities in the presentation of the educational program material both on this issue and on related modules of the course and related courses, or the student had a current control of 90-100 points
B	The student demonstrated good knowledge of program material;
C	processed the basic literature, mastered the conceptual apparatus, methods, techniques and tools provided by the program, but with some inaccuracies
D	The student showed mediocre knowledge of the core program material; learned information mainly from a lecture course or just one textbook; mastered only certain methods, techniques and tools provided by the program
E	
FX	The student has significant gaps in knowledge of the main program material; fragmentary mastered the basic concepts, techniques and tools; significant mistakes are made when using them

Maximum total possible points – 700 points incl. (Midterm and Final exam are 60% of overall evaluation, where Midterm – 20% and Final – 40%)

- Test / Assignment / Project – 280 points (several times during the course)
- Midterm exam – 140 points
- Final exam – 280 points

Student Workload

It is assumed that for each out of 17 class sessions a student spends about 10.5 academic hours of work. This includes 3.5 academic hours of lectures with the instructor and 7 academic hours of personal work. Personal work includes reading articles, work on lecture material, presentations.

Please pay attention that 1 academic hour equals to 40 minutes.

Assignment Format

- All work should be shown in time. If the student misses the deadline – the task is failed.
- Midterm covered topics from previous lectures (weeks 1-7). It included multiple choice questions and cases (essays) and took about 1.5 hours.
- The Final exam covered all course material and included multiple choice questions and cases (essays). It lasts for 1.5 hours. Admission to the Final exam is possible only if all the tasks of the curriculum are covered.
- After the Midterm and Final is graded a student has access to the grade only. Access to the attempt, corrects answers and information whether the answer is correct cannot be granted.

Academic dishonesty

- Academic integrity is submitting one's own work and properly acknowledging the contributions of others. Forms of academic dishonesty include:
 1. Plagiarism – submitting all or part of another's work as one's own in an academic exercise such as an examination, a computer program, or written assignment.
 2. Cheating – using or attempting to use unauthorized materials on an examination or assignment, such as using unauthorized texts or notes or improperly obtaining (or attempting to obtain) copies of an examination or answers to an examination.
 3. Facilitating Academic Dishonesty – helping another commit an act of dishonesty, such as substituting for an examination or completing an assignment for someone else.
 4. Fabrication – altering or transmitting, without authorization, academic information or records.

Any violation of these rules constitutes academic dishonesty and is liable to result in a failing grade and disciplinary action. In case of any academic dishonesty a student is not allowed to continue or retake the assessment activity and for the Final the unsatisfactory

grade (“0”) is assigned for the course total. Cases of the academic dishonesty are not considered by the Academic Council.

Midterm and Final are valid only if they are taken on-campus (room defined by the dean’s office) and on UACU’s computer/laptop or online on the student’s computer/laptop using Zoom and other conditions defined by the dean's office to avoid the cases of academic dishonesty. Students who will not meet this requirement will be expelled from the course with grade “0”.

In case of missed Midterm or Final exam (for a valid reason like sickness or an emergency) a request to repeat the exam is possible. Permit to repeat a midterm or final exam is done through a letter to the dean's office with request and approval of subject lecturer.

Submission or retaking of any assessment activities after deadlines are forbidden.

Submission & Return Policy

Assignments must be submitted to the professor on or before the due date indicated in the Course Schedule. The assignments submitted after the due dates receive zero points.

**** NO MAKE –UP QUIZZES AND EXAMS ****

Schedule

Lecture #	Research Projects	Assignments Due	Points
Lecture 1	Introduction to Green Economy Concepts and Evolution Principles of Green Economy Main Principles and Core Value	Participation in discussion	6
Lecture 2	Green Economy and Sustainable Development Sustainable Development Concept and Goals Global Challenges Current Challenges By 2050 Future Challenges	Test / Participation in discussion	12
Lecture 3	Green Policy Part 1 Foundations Role of Industrial Policy Country Experiences	Participation in discussion	6
Lecture 4	Green Policy Part 2 Public Policy Tools Country Experiences	Test / Participation in discussion	12
Lecture 5	Role of Financial System in Green Economy Green Investments Green Finance Market	Quiz 1	21
Lecture 6	Role of Banking System in Green Economy	Test / Participation in discussion	12

	Green Banking Market Drivers and Channels Barriers and Key Issues		
Lecture 7	The Greenest Cities in the World The Green City Index The Global Green Company Index TOP 10 Greenest Cities	Group presentations	42
	Midterm Exam (100 points possible)	Exam	140
Lecture 8	Relevance to Economic Sectors Part 1 Water Management Waste Management Land Management Success Stories of Green Economy: Cases	Quiz 2	21
Lecture 9	Relevance to Economic Sectors Part 2 Green Buildings Sustainable Transport Renewable Energy Success Stories of Green Economy: Cases	Individual Presentation	30
Lecture 10	Green Economy versus Traditional Economy Foundations of Transition Peculiarities	Quiz 3	21
Lecture 11	States and Markets in a Transition to Green Economy Economic Instruments Economic mechanisms for the Transition	Test / Participation in discussion	12
Lecture 12	Development of New Economic Sectors Bioeconomy Natural Capital	Test / Participation in discussion	12
Lecture 13	Lecture 1 Green Marketing Concepts Strategies Successful Green Marketing Campaigns	Group presentations	40
Lecture 14	The Economic and Social Co-benefits of Green Transformation Competitive Advantages Employment and Macro-Economic Benefits	Test / Participation in discussion -	12
Lecture 15	Is a Green Economy a Future for Tackling Down Global Challenges? Global Green Economy Challenges Trends (Green Trend – Green Brand)	Quiz 4 -	21

	Final Exam	Exam	280
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Recommended Materials

§ United Nations Department of Economic and Social Affairs (UNDESA). A Guidebook to the Green Economy: Issue 1: Green Economy, Green Growth, and Low-Carbon Development - history, definitions and a guide to recent publications, 2012.

<https://sustainabledevelopment.un.org/content/documents/GE%20Guidebook.pdf>

§ United Nations Department of Economic and Social Affairs (UNDESA). A Guidebook to Green Economy: Issue 2: Exploring Green Economy Principles, 2012.

<https://sustainabledevelopment.un.org/content/documents/743GE%20Issue%20nr%202.pdf>

§ United Nations Department of Economic and Social Affairs (UNDESA). A Guidebook to the Green Economy Issue 3: exploring green economy policies and international experience with national strategies, 2012.

<https://sustainabledevelopment.un.org/content/documents/738GE%20Publication.pdf>

§ United Nations Department of Economic and Social Affairs (UNDESA). A Guidebook to the Green Economy Issue 4: A guide to international green economy initiatives, 2013.

<https://sustainabledevelopment.un.org/content/documents/916guidebook4.pdf>

§ United Nations Environment Programme, 2011. Towards a Green Economy: Pathways to Sustainable Development and Poverty Eradication

https://sustainabledevelopment.un.org/content/documents/126GER_synthesis_en.pdf

Additional Reading Materials:

§ UN General Assembly, Transforming our world: the 2030 Agenda for Sustainable Development, 21 October 2015.

§ UN Environment: Greening the Banking System: Taking Stock of G20 Green Banking Market Practice (2016).

§ G20 Green Finance Synthesis Report 2017.

http://unepinquiry.org/wp-content/uploads/2017/07/2017_GFSG_Synthesis_Report_EN.pdf

§ UNESCO (2011). From Green Economies to Green Societies.

<https://unesdoc.unesco.org/ark:/48223/pf0000213311>

§ United Nations Conference on Trade and Development. (2011). The Green Economy: Trade and Sustainable Development Implications.

§ Sustainable Stock Exchange Initiative (2017). How Stock Exchanges can Grow Green Finance.

§ Accelerating Green Finance (2018). A report to Government by the Green Finance Task force.

§ UNEP. (2013). Green Economy and Trade – Trends, Challenges and Opportunities.

<http://www.unep.org/greeneconomy/GreenEconomyandTrade>

Additional Online Resources:

§ The Guardian

<https://www.theguardian.com>

§ The Place Brand Observer

<https://placebrandobserver.com/?s=green+economy>

§ Green Economy Canada

<https://greeneconomy.ca>

§ United Nations Environment Programme

<https://www.unenvironment.org/explore-topics/green-economy>

§ The International Institute of Environment and Development

<https://www.iied.org/green-economy>

§ The New York Times

<https://www.nytimes.com>

** The above schedule and procedures are subject to change in the event of extenuating circumstances.*

Протокол засідання кафедр № 4 від 23.08.2022 року

Проректор з навчально-методичної
роботи



Л.І.Кондратенко

Завідувач кафедри



Л.В.Жарова

Викладач

Р.З.Любачівська

