

Academic Year: (2024 / 2025)

Review date: 26-04-2024

Department assigned to the subject: Social Sciences Department

Coordinating teacher: OZEL SERBETÇI, ISIK

Type: Compulsory ECTS Credits : 6.0

Year : 1 Semester : 1

OBJECTIVES

- Comprehension of the UN's 'Sustainable Development Goals' (SDGs), their prevalent challenges, the main initiatives undertaken to attain the SDGs, and their varying results.
- Understanding about the governance of sustainable development (SD) at the local, regional, national, global and supranational levels. Analysis of the challenges of sustainability and governance from a critical and interdisciplinary point of view.
- Acquiring a historical perspective on the environmental sustainability of global economic development, linked to the SDGs.
- Knowledge of the main concepts of environmental science, including 'the earth system', its main components; critical assessment regarding the importance of those components for global, national and local environmental governance and public policies.
- Learning the indicators on climate change in the past and present, along with past and present energy transitions, analysis of long-term changes in the environmental footprint of food production and consumption.
- Ability to analyze perspectives and ideas in light of empirical reality such as the intensified process of globalization and fierce competition between countries, regions and companies.

DESCRIPTION OF CONTENTS: PROGRAMME

1. Socioeconomic and environmental sustainability: issues, actors, interests, and institutions.
2. Basic concepts of sustainability and global governance. Architecture of global governance.
3. Major challenges of economic sustainability. Global economic integration and the operation of the international trade regime: sustainability and governance-related issues.
4. Major challenges of environmental sustainability. Architecture of global environmental governance.
5. Climate change and economic development: a very long view.
6. Climate change since industrialization.
7. Land-use change, international food trade, and diets.
8. Resource extraction, energy sources, and economic development.
9. The Environmental Kuznets Curve and the planetary limits to economic growth.
10. Behavioural decision making and climate change.
11. Behavioural economics and environmental policy design.
12. The determinants of green policy acceptance.

LEARNING ACTIVITIES AND METHODOLOGY

This course uses various methodologies such as lectures and a number of different student-led classroom activities (discussions, small group work and presentations). The objective is to promote active participation of the students as well as their critical thinking and reflection on the topics covered in this course. Students are encouraged to do the readings before each session in order to facilitate more informed participation.

- Lectures
- Practical sessions
- Tutorials
- Team assignments: presentation, debates, data search and analysis
- Individual assignments

ASSESSMENT SYSTEM

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| % end-of-term-examination: | 40 |
| % of continuous assessment (assignments, laboratory, practicals...): | 60 |

CONTINUOUS ASSESSMENT(during the semester):

Class attendance and participation 15%

Presentations (individual or in teams), discussions, debates 20%

Assignments, papers/ write-ups (individual or in teams) 25%

FINAL EXAM/ FINAL PAPER: 40%

The evaluation in the extraordinary call will be based on a final paper/ write up or an exam

BASIC BIBLIOGRAPHY

- Augusto Lopez-Claros, Arthur L. Dahl, and Maja Groff Global Governance and the Emergence of Global Institutions for the 21st Century, Cambridge University Press, 2020
- Augusto Lopez-Claros, Arthur L. Dahl, and Maja Groff Global Governance and the Emergence of Global Institutions for the 21st Century, Cambridge , 2020
- Barnett, M. and R. Duvall Power In Global Governance, Cambridge University Press. , 2010
- Colander, C., Kupers, R. Complexity and the Art of Public Policy: Solving Society's Problems from the Bottom Up. , Princeton University Press, 2014
- McNeill, J.R. Something New Under the Sun: An Environmental History of the Twentieth-Century World. , WW Norton & Company. , 2001
- Ruddiman, W. F. Plows, Plagues, and Petroleum: How Humans Took Control of Climate, Princeton University Press, 2010
- Seo, S. Niggol. The behavioral economics of climate change: adaptation behaviors, global public goods, breakthrough technologies, and policy-making. , Academic Press, 2017.
- Smill,V. Harvesting the Biosphere: What We Have Taken from Nature, MIT Press, 2012
- You have accessAccess Open access Cited by 7 Augusto Lopez-Claros, Arthur L. Dahl, and Maja Groff Global Governance and the Emergence of Global Institutions for the 21st Century, Cambridge University Press, 2020
- You have accessAccess Open access Cited by 7 Augusto Lopez-Claros, Arthur L. Dahl, and Maja Groff Global Governance and the Emergence of Global Institutions for the 21st Century, Cambridge University Press, 2020

ADDITIONAL BIBLIOGRAPHY

- A. Kander, P. Malanima, & P. Warde Power to the People: Energy in Europe Over the Last Five Centuries, Princeton University Press, 2013
- Akerlof, G. A., & Kranton, R. E. Identity economics , Princeton University Press, 2010
- Austin, G. (ed) Economic development and environmental history in the Anthropocene: perspectives on Asia and Africa, Bloomsbury, 2017
- Carson, R. Silent Spring. , Houghton Mifflin., 2002
- Crosby, A. W. Ecological Imperialism: The Biological Expansion of Europe, 900-1900. , Cambridge University Press, 2004
- Diamond, J.. Collapse: How Societies Choose to Fail or Succeed. , Penguin, 2011
- J. R. McNeill & K. Pomeranz (Eds.), The Cambridge World History. Volume VII, Part 1. , _Cambridge University Press, 2015
- Nordhaus, W. D.. The Spirit of Green., Princeton University Press., 2021
- O'Neill, J.. Ecology, policy and politics: Human well-being and the natural world. , Routledge, 2002
- Ross, M. L.. The Oil Curse: How Petroleum Wealth Shapes the Development of Nations. , Princeton University Press. , 2012
- Wrigley, E. A.. Energy and the English Industrial Revolution. , _Cambridge University Press. , 2010

BASIC ELECTRONIC RESOURCES

- FAO . . Global Agro-Ecological Zones :: <http://gaez.fao.org>
- Global Carbon Project . . Global Carbon Atlas : : <http://www.globalcarbonatlas.org>
- IMF . IMF Data: <http://https://www.imf.org/en/Data>
- O'Neill, D.W., Fanning, A.L., Lamb, W.F., and Steinberger, J.K. . . A Good Life For All Within Planetary Boundaries : : <http://goodlife.leeds.ac.uk>
- UNCTAD . UNCTADSTAT: <http://https://unctadstat.unctad.org/EN/>
- World Bank . World Development Indicators: <http://https://databank.worldbank.org/source/world-development-indicators>