

Level: Master				
Course title: Aspects of anthropogenic development - energy, technology, environmental economics				
Status: elective				
ECTS: 8				
Requirements: none				
Learning objectives Gaining the necessary knowledge about the importance of energy sources and resources as an engine, production technologies as basic features of modern civilization, and the economic aspects of environmental issues.				
Learning outcomes Demonstrate understanding and knowledge of: (a) the basic characteristics of energy issues (sources, resources, environmental aspects), (b) manufacturing technology (concepts, invention and innovation, the larger context of technology), (c) the basic parameters of environmental economics.				
Syllabus <i>Theoretical instruction</i> Introductory considerations and general overview of the topic. Energy (general aspects of energy issues, primary energy sources: oil and natural gas, coal, nuclear power, hydroelectric power, alternative energy sources: renewable and non-renewable resources and alternative technologies; ecological aspects of energy production and use). Technology (concepts and definitions, terminology, invention and innovation, the larger context of technology, technological change, technology and the environment). The economy of the environment (environmental assessment, the concept of sustainable development, natural resource economics, environmental policy). <i>Practical instruction</i> Practical teaching follows theoretical lessons.				
Weekly teaching load				Other:
Lectures: 4	Exercises: 3	Other forms of teaching:	Student research:	