

Micro-Credential Template for GreenKG

Name of Micro-Credential Module <i>Digital Solutions and Green Technologies: Measures to Combat Development and a Climate-Safe Future</i>	
MC-Module Identifier	MC-DSGT-CSF
Issuing Body/ Person responsible	Prof. Kerimbekova R.A.
EQF Level	Master: EQF 7,
Mode of Delivery	On-campus
Workload/ Credit Points (CP)	<i>Specify workload in CP (1 CP = 25–30 hours)</i> <i>6 hours of lectures</i> <i>6 hour of practical</i> <i>Work at home 18 hours</i> 1 CP
Language of Instruction	Russian/ Kyrgyz
Recommended prior Knowledge/ Admission Requirements	Knowledge, abilities, skills, and competences acquired by students in the following disciplines: “Ecology and Sustainable Development,” “Fundamentals of Life Safety,” and “Economics.”
Target Group / Profile of Learners	First year Master students in: World Economy, International Project Management, International Business Management
Intended Learning Outcomes (IOLs)	- Analyze and critically evaluate theories, methods, and research findings, applying an interdisciplinary approach and integrating insights from various sciences to generate new knowledge. - Independently acquire new knowledge and skills, demonstrate initiative in learning, and create applied knowledge within a specific field or at the intersection of fields. - Identify and utilize relevant sources of information necessary for professional development and apply newly acquired knowledge and skills in practice.
Content of the Module / Syllabus	This module focuses on the study of current climate change issues and the opportunities for transitioning to a green economy through the use of modern digital technologies. During the course, students will gain an understanding of key climate risks, economic and legal mechanisms of environmental protection, as well as become familiar with innovative technologies and practices of sustainable development in the Kyrgyz Republic and worldwide.

	Particular emphasis is placed on developing project management skills and teamwork: students design their own digital solutions to environmental problems, thereby acquiring competences essential for implementing the principles of sustainable development across various fields of activity. The module is designed for Master's students of all disciplines and contributes to the formation of environmental awareness and digital literacy in the context of global challenges. The study of this module is essential for understanding the “green” economy, especially in the context of environmental protection, energy and resource conservation, improvement of energy efficiency, application of best available technologies in economic and other activities, and the use of economic instruments in the legal regulation of environmental protection. This module provides: 1. Economic mechanism of environmental protection under climate change: challenges and opportunities for enhancing environmental and economic security of Kyrgyzstan. 2. Key directions of transition to a “green” economy and greening of the economy: technological innovations, structural transformation, and sustainable development of the Kyrgyz Republic. 3. Digital initiatives and student project activities.
Teaching and Learning Methods	- Explanation and discussion with examples - Dialogue in a question-and-answer format - Independent writing and presentation of essays and reports - Discussions with ongoing knowledge assessment - Teamwork and interactive participation - Business games, debates, and case studies - Student self-assessment
Learning Support/ Instruction Material	IPCC Reports SDGs 7, 11, 12, 13, 15 Nationally Determined Contribution (NDC) of the Kyrgyz Republic to the Paris Agreement UNITAR Green Learning Hub UNDP: Sustainable Development Case Studies Coursera: Digital Solutions for Sustainability UNEP Green Jobs and Innovation Toolkit
Assessment Methods and Criteria	Methods and Assessment Methods: • Explanation and discussion with examples

	• Case analysis • Teamwork • Discussions and interactive participation • Self-assessment Assessment: • Participation in discussions and activities • Mini-test at the end • Final presentation of the group project • Reflection / feedback
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Study Programme	Micro-Credential Modules				
	<i>MCM-ID1 (Green Economy)</i>	<i>MCM- ID2</i>	<i>MCM- ID3</i>	...	
<i>Bachelor Business Management 1st year</i>	o				
<i>Bachelor Business Management 2nd year</i>	o				
<i>Bachelor Business Management 3rd year</i>	o				
<i>Bachelor Business Management 4th year</i>	-				
<i>Master World Economy 1st year</i>	x				
<i>Master World Economy 2nd year</i>	o				
<i>Master International Project Management 1st year</i>	x				
<i>Master International Project Management 2nd year</i>	o				
<i>Master International Business Management 1st year</i>	x				
<i>Master International Business Management 2nd year</i>	o				

Legend: x = strongly recommended | o = recommended | - = not applicable