



CERTIFICATE

Mrs/Mr

Roman Tatarchuk

participated in

**Vacation learning at AGH for Sustainable Industry 4.0 Education
Business strategies in circular economy**

**during from 11th March to 15th April 2023 in Krakow
(on-line)**

Prodziekan ds. Współpracy i Rozwoju

28.04.2023

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dr hab. Joanna Kulczycka

date and signature of the organiser .2.

Description of the learning outcomes:

Knowledge

- is aware of the importance of actions for a circular economy (CE)
- identifies conditions and effects of the implementation of the CE model on the national economy
- knows how to achieve cleaner production by applying the principles of CE in selected industrial branches and enterprise departments;
- is aware of the impact that the implementation of CE business models will have on modern companies and their stakeholders (including NGOs)

Skills

- is able to use the knowledge he/she possesses to acquire information, critically evaluate and interpret it in the context of practical application in creating solutions for the CE
- is able, using the knowledge he/she possesses, to make changes in the company (and its individual departments, such as the marketing department) in order to produce more ecological solutions
- he/she is able to use the knowledge he/she possesses, select and apply appropriate methods and tools in the management of the enterprise to make it comply with the principles of CE and implement CE business models
- is able to coordinate the work of the team implementing the idea of implementing the CE concept in a given organization

Social competence

- is ready to act ethically, responsibly, and rationally, being aware of the consequences of its activities for the environment and society
- is able to determine the priorities and hierarchy of goals, serving the realization of the objectives of sustainable development
- is able to find business solutions in accordance with social interests and respect for the environment;

Additional information:

ECTS credits: 3

Total Hours: 75 including contact hours 45