



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Innovative Entrepreneurship

### Course

Field of study

Construction and Exploitation of Means of Transport

Area of study (specialization)

all specializations

Level of study

Second-cycle studies

Form of study

part-time

Year/Semester

2/3

Profile of study

general academic

Course offered in

Polish

Requirements

compulsory

### Number of hours

Lecture

9

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

### Number of credit points

1

### Lecturers

Responsible for the course/lecturer:

Prof. Zbigniew Kłos, Ph.D.(Eng.), D.Sc.

Responsible for the course/lecturer:

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Faculty of Civil and Transport Engineering

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### Prerequisites

KNOWLEDGE: Student has fundamental knowledge about management of organizations and quality issues

SKILLS: Student possesses ability of perceiving and associating of phenomena occurring in management of market organizations and is able to interpret them, to draw conclusions and to formulate opinions

SOCIAL COMPETENCIES: Student has the awareness of importance and understands the effects of taking of market oriented activities



## Course objective

Transmitting to the students the knowledge about the basic issues connected with conditions of undertaking innovative, market oriented, products

## Course-related learning outcomes

### Knowledge

Student has a basic knowledge on processes leading to innovations in economy, knows the main types of innovations, sources of innovativeness, in the individual as well as the organizational dimensions. Through the study of cases, student can appreciate the important role of outstanding innovators in historical development of civilization

### Skills

Student is able to analyze the problem situations and to find needs for elaborating innovative solutions and to prepare a scientific paper in a foreign language in the field of innovations and innovativeness, based on literature and other sources of information, including online sources and submit an oral presentation in this field.

### Social competences

Student is able to set priorities for realization of undertaken tasks in the field of innovation process and to think and act in an entrepreneurial manner, specially in the field of introduction of innovations.

## Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Control test

## Programme content

Innovation and innovativeness: definitions, main types of innovations, leaders in innovation. Innovators: features of innovative entrepreneurs, examples of outstanding innovators. Innovative ideas: sources of innovative ideas, analysis of innovative ideas, criteria for choosing the promising schemes. Innovation process, commercialization: sources of innovation in innovation process, sources for transfers of knowledge and technology, factors relating to the objectives and effects of innovation, main factors hampering innovation activities, eco-innovations, different aspects of introduction of innovative products to the market

## Teaching methods

Lecture with multi-media presentation

## Bibliography

### Basic

1. Kłos Z., Innowacyjność i innowacje, Wyd. PP, Poznań 2017
2. Kłos Z., Innowacyjność i przedsiębiorczość innowacyjna. Wyd. PP, Poznań 2012



3. Cieślik J., *Przedsiębiorczość dla ambitnych. Jak uruchomić własny biznes.* wyd. II. Wyd. Akademickie i Profesjonalne, Warszawa 2008
4. Wissema J.G., *Technostarterzy. Dlaczego i jak?* Wyd. PARP, Warszawa 2005

#### Additional

1. *Innowacyjność w doskonaleniu produktów i organizacji.* Red. Zb. Kłos i P. Kurczewski. Poznań 2011.
2. *Problemy innowacyjnych przedsiębiorstw produkcyjnych.* Red. H. Mizgajska, ZN nr 131. Wyd. UE w Poznaniu, Poznań 2010
3. *Teaching Entrepreneurship. Cases for Education and Training.* Ed. P. van der Sijde et al., Physica-Verlag, Heidelberg 2008

#### Breakdown of average student's workload

	Hours	ECTS
Total workload	29	1,0
Classes requiring direct contact with the teacher	9	0,5
Student's own work (literature studies, preparation for test) <sup>1</sup>	20	0,5

<sup>1</sup> delete or add other activities as appropriate