



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Designing and evaluating investment projects

### Course

Field of study

Engineering Management

Area of study (specialization)

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

1/1

Profile of study

general academic

Course offered in

Polish

Requirements

elective

### Number of hours

Lecture

15

Laboratory classes

Other (e.g. online)

Tutorials

15

Projects/seminars

### Number of credit points

2

### Lecturers

Responsible for the course/lecturer:

Dr inż. Edmund Pawłowski

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Faculty of Engineering Management

ul. Jacka Rychlewskiego 2, 60-965 Poznań

Responsible for the course/lecturer:

### Prerequisites

Management Basics, Financial Accounting

### Course objective

teaching methodology and developing skills for designing and evaluating investment projects

### Course-related learning outcomes

Knowledge

has in-depth knowledge of methods and tools for modelling information and decision-making processes

has knowledge of the links existing in network organisations (corporations, holdings, clusters, etc.) and in-depth knowledge of organisational relations between organisational units of the enterprise and virtual units



### Skills

is able to forecast and modelling complex social processes involving phenomena from different areas of social life (cultural, political, legal, economic) using advanced management methods and tools

has ability to propose solutions to a specific management problem and to carry out a procedure to resolve it themselves

### Social competences

is aware of the interdisciplinary knowledge and skills needed to solve complex problems of the organisation and the need to create interdisciplinary teams

be able to recognise the cause-and-effect relationships in achieving the objectives and rank the importance of alternative or competing tasks

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

The knowledge of the lectures is verified during the written test. Written test in two versions: 1/ 5 open questions, 2/ 10 multiple-choice test questions. Maximum number of points = 100. Positive score from 65 points.

Knowledge from the exercises is verified by defending the project

### Programme content

Network of investment project activities. Financial planning of investment projects. Value of money in time. Simple methods of evaluating investment projects. Discounting. Discount rate. Discounted methods of evaluating investment projects. Indicative assessment of the economic and financial situation of an enterprise. Rationalization of capital structure

### Teaching methods

1. lecture: Monographic lecture, case studies
- 2 Exercises: multimedia presentation illustrated with examples given on the board and project execution

### Bibliography

#### Basic

1. Hurdle. The Book on Business Planning, Berry Tim, PaloAlto Software, Inc , USA, 2006.
2. Pawłowski E., Pawłowski K., Trzcilińska J., Trzciliński S. Projektowanie biznesu i ocena przedsięwzięć inwestycyjnych. Wyd. Politechniki Poznańskiej, Poznań, 2010.
3. Rogowski W. Rachunek efektywności przedsięwzięć inwestycyjnych. Wyd. Oficyna Ekonomiczna, Warszawa, 2004.



4. Bednarski L, Analiza finansowa w przedsiębiorstwie, PWE, Warszawa, 2006.
5. Sierpińska M., Jachna T. Ocena przedsiębiorstwa według standardów światowych. PWN, Warszawa, 2007

Additional

2. Filar E., Skrzypek J., Biznesplan , Wydawnictwo poltex, W-wa 2005

**Breakdown of average student's workload**

	Hours	ECTS
Total workload	60	2,0
Classes requiring direct contact with the teacher	30	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) <sup>1</sup>	30	1,0

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