



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Finance [S2EPiO1>Fin]

### Course

Field of study

Industrial and Renewable Energy Systems

Year/Semester

2/3

Area of study (specialization)

Thermal and Renewable Energy

Profile of study

general academic

Level of study

second-cycle

Course offered in

polish

Form of study

full-time

Requirements

elective

### Number of hours

Lecture

0

Laboratory classes

0

Other (e.g. online)

0

Tutorials

15

Projects/seminars

0

### Number of credit points

1,00

### Coordinators

dr Joanna Małecka

joanna.malecka@put.poznan.pl

### Lecturers

### Prerequisites

**KNOWLEDGE:** Student has a basic knowledge of the economy and has a general knowledge of the functioning and management of the economy, is familiar with the administrative structure of the state

**SKILLS:** Student has the ability to perceive, associate and interpret phenomena occurring in the economy, is able to perform mathematical tasks in the field of calculating interest rates, installments and cash contributions

**SOCIAL COMPETENCE:** Student is able to make independent assessment of the socio-economic policy, argues and defends their opinions

### Course objective

Understanding the basic mechanisms of the functioning of the financial system in the national economy and its impact on financial decisions taken by individual economic entities, is able to compare the results of financial markets, as well as distinguish money market instruments from capital market solutions

### Course-related learning outcomes

Knowledge:

1. knows the concept of finance and is able to identify financial streams and resources in the economy
2. knows the basic principles of creating and developing the financial market and its individual segments

### 3. has knowledge of alternative forms of financing

#### Skills:

1. is able to assess the impact of government policies on interest rate volatility
2. is able to use specialist terminology related to the broadly defined financial and monetary policy of the state
3. is able to manage the work of the team and has the ability to find the necessary macro-financial information for efficient management of the enterprise

#### Social competences:

1. is ready to initiate actions for compromises in various areas of economic policy
2. is ready to think and act in an entrepreneurial manner
3. is ready to perform responsible professional roles and is aware of the impact of fiscal, monetary and financial markets on the functioning of individuals and enterprises

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

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**LECTURES** - Formative assessment: active in discussions summarizing individual lectures or given material (e.g. books, movies), giving the student the opportunity to assess the understanding of the problem; optional papers (essay) assigned during the semester. Summative assessment: written exam on the last lecture (to obtain a positive grade, 55% of points are required)

**PRACTICE (CALSES)**: Formative assessment: current activity during classes and participation in the discussion; preparing presentation and financial report about given topic; tests; written works (essay) based on given books, articles or films; written analysis of case-study; final test). Summative assessment: the arithmetic average of the formative grades with rounding conditions given and placed on the MODDLE platform - inability to getting promotion without a colloquium for a positive grade (min. 55% of points)

### Programme content

1. The essence and definitions of finance (Definition of finance, Functions of finance, Classifications of financial phenomena, Entities of finance in the economy)
2. Money (History of money, Money creation mechanism, Cash and non-cash money, Time value of money)
3. Banking sector (Banking system, Central Bank and its functions, Monetary policy and its instruments, Commercial banks and their functions, Bank loan)
4. Fiscal policy (Budget and its functions, Characteristics of the central budget, Characteristics of JST budgets, Budget deficit, public finance deficit, public debt)
5. Tax system (Tax functions and principles, Tax structures, Characteristics of the Polish tax system)
6. Financial Market and participants of individual market segments
7. Time value of money (future value of money, interest rates)
8. Alternative sources of financing for enterprises

### Teaching methods

- I. FEEDBACK: Information lecture, Problem lecture, Conversational lecture, Talk, Lecture, Reading
- II. SEARCHING: Case study, Brainstorming, Round table discussion, Discussion - pyramid, Discussion - seminar, Discussion - paper,
- III. TUTORIAL - PRACTICAL: Auditorium exercises, Demonstration method, Project method, Workshop method, Tasks solving
- IV. EXPOSING: Demonstration (film / presentation)

### Bibliography

#### Basic

1. Jaworski, J., Wiśniewski, J. (2014). *Finanse w Nowoczesnej Gospodarce*. CeDeWu
2. Podstawka, M. (2017). *Finanse. Instytucje, Instrumenty, Podmioty, Rynki, Regulacje*. PWN
3. Małecka, J. (2017). Regulation of the Warsaw Stock Exchange: History and Operating Rules. *Journal of Economics World*, Vol. 5, No. 1, 34-43, <http://dx.doi.org/10.17265/2328-7144/2017.01.004>

#### Additional

1. Małecka, J. (2017). NewConnect as a Source of Financing form Small and Medium-Sized Enterprises. Proceedings Paper IMECS 2017, pp.: 540-552. Praha: Vysoka Skola Ekonomicka & Praze. [http://imes.vse.cz/wp-content/uploads/2015/08/Conference\\_Proceedings\\_IMES\\_2017.pdf](http://imes.vse.cz/wp-content/uploads/2015/08/Conference_Proceedings_IMES_2017.pdf)

WOS:000427316100048

2. Małecka, J. (2017c). Alternative Securities Markets as Financing Sources for SMEs – Selected Aspects of AIM and NC. Contemporary Issues in Business, Management and Education 2017, 1-9.

<http://doi.org/10.3846/cbme.2017.072> Podstawy finansów, D. Korenik, S. Korenik, PWN, 2004

3. Łuczka, T. (2013). Makro – i mikroekonomiczne determinanty struktury kapitału w małych i średnich przedsiębiorstwach. WPP

#### Breakdown of average student's workload

	Hours	ECTS
Total workload	30	1,00
Classes requiring direct contact with the teacher	17	2,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	45	2,00