



## 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)

Gas Technology 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

0

Tutorials

15

Projects/seminars

0

### Number of credit points

1,00

### Coordinators

dr Joanna Malecka

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### 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

The curriculum content is concerned with defining finance, recognising its functions and classifying it by economic agents. By learning about the history of money, as well as the mechanisms of money creation and the transformation of its form (cash and non-cash money), an understanding of the principles of the banking sector increases. Familiarisation with the functions and principles of taxation, as well as the construction of taxes and the characteristics of the tax system in Poland, enables more effective management of the financial portfolio.

### Course topics

1. A reminder of the basics of economics and an introduction to finance
2. The nature and criteria of capital allocation
3. Structure of the financial market
4. Legal form and access to financial market instruments
5. Money market and capital market
6. The banking sector and monetary policy
7. Fiscal policy and the tax system
8. Classical and alternative financial instruments

### 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

#### Literatura podstawowa Primary literature

1. Małecka, J. (2021). Alternatywne źródła finansowania w zarządzaniu finansami mikro, małych i średnich przedsiębiorstw. Cechy przedsiębiorcy a wybór źródła finansowania. ISBN: 978-83-958472-8-8. Poznań: Polskie Wydawnictwo Ekonomiczne.
2. Małecka, J. (2020). Instrumenty rynku kapitałowego w zarządzaniu finansami mikro, małych i średnich przedsiębiorstw. Cechy przedsiębiorstwa a wybór źródła finansowania. ISBN: 978-83-958472-6-4. Poznań: Polskie Wydawnictwo Ekonomiczne.
3. Podstawka, M. (2017). Finanse. Instytucje, Instrumenty, Podmioty, Rynki, Regulacje. PWN
4. Jaworski, J., Wiśniewski, J. (2014). Finanse w Nowoczesnej Gospodarcie. CeDeWu

#### Literatura uzupełniająca – PUBLIKACJE NAUKOWE Secondary literature

1. Małecka, J. (2018). Alternative Sources of Financing for SMEs in Poland in the Light of Empirical Research. Proceedings, Volume 2, EFERIC 2018. The 2nd Entrepreneurship and Family Enterprise Research International Conference. <https://doi.org/10.3390/proceedings2241521> <https://www.mdpi.com/2504-3900/2/24>
2. Małecka, J. (2017). NewConnect as a Source of Financing form Small and Medium-Sized Enterprises. Proceedings Paper IMECS 2017, pp.: 540-552. Praha. [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)
3. Małecka, J. (2017). 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>
4. Małecka, J. (2016). Alternative Securities Markets in Poland and the United Kingdom. Problemy Zarządzania vol.14, nr 4(63),t.1,pp:11-24. <http://dx.doi.org/10.7172/1644-9584.63.1> WOS: 000400572200001
5. Łuczka, T. (2013). Makro- i mikroekonomiczne determinanty struktur kapitału w małych i średnich przedsiębiorstwach. Poznań: Wydawnictwo Politechniki Poznańskiej
6. Łuczka, T. (2015). Mikroekonomiczne determinanty struktury kapitału w małych i średnich przedsiębiorstwach. Determinanty związane z cechami przedsiębiorstwa. W A. Bielawska (red.), Uwarunkowania rynkowe rozwoju mikro, małych i średnich Przedsiębiorstw. Mikrofirma 2015, pp. 125-144. Szczecin: Wydawnictwo Naukowe Uniwersytetu Szczecińskiego

#### 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 |