



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Finance [S2Elenerg1>Fin]

### Course

Field of study

Electrical Power Engineering

Year/Semester

2/3

Area of study (specialization)

Renewable Sources and Storage of 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

15

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

### Number of credit points

1,00

### Coordinators

dr inż. Marcin Nowak

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### Lecturers

### Prerequisites

The student has basic knowledge of the humanities. He also has basic skills in analysis and searching for information for the purposes of professional practice. The student recognizes the importance of organizing own work as a component of effective functioning in professional and social environment.

### Course objective

1. To acquaint students with the basic categories in the field of finance. 2. Developing practical skills related to the knowledge of markets and financial instruments. 3. Developing the ability to evaluate the data provided by the accounting system.

### Course-related learning outcomes

Knowledge:

1. the student has a basic knowledge of the basics of financial science.
2. the student has a basic knowledge of the functioning of the financial market.
3. the student knows the general principles of valuation of selected financial instruments.

Skills:

1. the student is able to evaluate the selected financial instruments
2. the student is able to determine the effective rates of return on investment in selected financial assets.
3. the student has the ability to self-study; understands the need for lifelong learning.

Social competences:

1. the student is aware of the responsibility for decisions made regarding financial issues.
2. the student is prepared to think and act in an entrepreneurial way.
3. the student is aware of the need to maintain ethical standards resulting from the social role of a technical university graduate.

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

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The credit scheme is as follows:

1. Preparation of a final thesis on the financial market - 50 points are available.
2. Final test consisting of closed and open-ended questions - 50 points are possible.

Passing threshold: obtaining a minimum of 50 points, including a final thesis and a test.

### Programme content

1. Financial market - essence, segments, typology, financial instruments; 2. Debt, equity, derivative and financial instruments and related risks; 3. The essence of the banking system; 4. The essence of the tax system; 5. Sources of financing for the activities of enterprises; 6. Basics of financial reporting; 7. Basics of financial analysis.

### Course topics

1. Financial market - essence, segments, typology, financial instruments; 2. Debt, equity, derivative and financial instruments and related risks; 3. The essence of the banking system; 4. The essence of the tax system; 5. Sources of financing for the activities of enterprises; 6. Basics of financial reporting; 7. Basics of financial analysis.

### Teaching methods

Lecture: informative lecture - multimedia presentation illustrated with examples given on the board.

### Bibliography

Basic

1. Jajuga K., T., Inwestycje, PWN, Warszawa 2018.
2. Dębski W., Rynek kapitałowy i jego mechanizmy, PWN, Warszawa 2017.

Additional

1. Brigham E., Podstawy zarządzania finansami, PWE, Warszawa 1997
2. Mikita M., Pełka W., Rynki inwestycji alternatywnych, Poltext, Warszawa 2009.
3. Nowak M., Zastosowanie metody DEA w analizie względnej produktywności zarządzania funduszami inwestycyjnymi, Materiały Konferencyjne Młodych Naukowców nt.: Wpływ młodych naukowców na osiągnięcia polskiej nauki, V edycja, Kraków 2014, ISBN 978-83-63058-38-8, s. 116-122.
4. Nowak M., Analiza efektywności techniczno-finansowej organizacji z zastosowaniem metody DEA, Ekonomia w ujęciu globalnym, regionalnym i lokalnym, AT Wydawnictwo, Kraków 2014, ISBN 978-83-63910-25-9, s. 65-73.

### Breakdown of average student's workload

	Hours	ECTS
Total workload	29	1,00
Classes requiring direct contact with the teacher	15	0,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	14	0,50