



Analysis of the Company and Management Problems

Educational subject description sheet

Basic information

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|--|---------------|--|
| Field of study AGH UST International Courses | | Didactic cycle 2022/2023 |
| Speciality All | | Subject code POGJOS.A2000000.32a2ab13e264dcc0788649771067d9 ca.22 |
| Department Generic subjects | | Lecture languages English |
| Study level any level | | Mandatory Elective |
| Study form Full-time studies | | Block General Modules |
| Education profile General academic | | Subject related to scientific research Yes |
| | | USOS code 100-INT-xS-009 |
| Subject coordinator | Barbara Kowal | |
| Lecturer | Barbara Kowal | |

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|----------------------------------|--|-------------------------------------|
| Period Summer semester | Examination Exam | Number of ECTS points 4.0 |
| | Activities and hours Lecture: 15, Seminars: 15 | |

Subject learning outcomes

| Code | Outcomes in terms of | Directional learning outcomes | Examination methods |
|--|----------------------|-------------------------------|---------------------|
| Knowledge - Student knows and understands: | | | |

| | | | |
|--|---|--|---|
| W1 | Student has detailed knowledge about financial analysis. He knows what is bankruptcy. He knows the models of early warning systems. Student has knowledge about the financial goals of business activity and value creation process. Student can specify the main sources of financing business activity. He knows the structure of capital in the company. | | Test results |
| Skills - Student can: | | | |
| U1 | Student knows the measures used in the analysis of the company's activity. | | Activity during classes, Test |
| U2 | Student is able to carry out: the method of comparison, the chain substitutions and its use to exert an influence of factors changes on economic phenomena, pyramid analysis. He can also determine whether the company is at the risk of bankruptcy or not using discriminatory models. | | Activity during classes, Execution of exercises, Test |
| Social competences - Student is ready to: | | | |
| K1 | Student does the exercises individually or in a group. | | Execution of exercises, Execution of a project, Involvement in teamwork |

Programme content that ensure achieving learning outcomes for the module

The course Analysis of the company and management problems enables to broaden student's knowledge covering financial, strategic and business aspects of a company.

Calculation of ECTS points

| Activity form | Average amount of hours* needed to complete each activity form |
|---|--|
| Lecture | 15 |
| Seminars | 15 |
| Preparation for classes | 10 |
| Realization of independently performed tasks | 25 |
| Examination or Final test | 2 |
| Contact hours | 1 |
| Preparation of project, presentation, essay, report | 42 |
| Student workload | Hours 110 |
| Workload involving teacher | Hours 30 |

* hour means 45 minutes

Study content

| No. | Course content | Subject learning outcomes | Activities |
|-----|---|---------------------------|------------|
| 1. | Managers cockpit (dashboard) Financial analysis of economic health of a company Du Pont Model as an extension of ROE index (pyramid analysis) The influence of changing factors at the economic occurrence levels (method of successive substitutions) Bankruptcy prediction models - Early Warning Systems (EWS) Business model (canvas) Team building | W1, U1, U2, K1 | Seminars |
| 2. | The place of financial analysis into management information system Financial objectives & the analyse of value creation Types of financial analysis (traditional vs modern) Sources of financing Financial troubles & warning system about bankruptcy Business model | W1, U1, U2 | Lecture |

Course advanced

Teaching methods:

Multimedia presentation, Discussion, Project, E-learning, Group work, Design thinking, Brainstorming, Blackboard exercises

| Activities | Examination methods | Credit conditions |
|-----------------|--|-------------------|
| Lecture | Activity during classes, Execution of exercises, Test, Test results | |
| Seminar classes | Activity during classes, Execution of exercises, Execution of a project, Test, Involvement in teamwork, Test results | |

Requirements and method of completing particular forms of classes

Lectures finish with a test. Passing the auditorium exercises: positive evaluation of the colloquium + presentation of the thematic presentation of the project. It can be obtained at the basic time (one term) and additional time limit (also one term).

Method of calculating the final grade

The final grade consists of: mark from lecture's test (30%), mark from the auditorium classes (50%), mark from the prepared thematic presentation (20%).

Method and procedure for compensating for missed coursework resulting from student absence from classes

In case of any absence - equalization of the student's arrears in the auditorium classes will be held according to the lecturer's findings.

Entry requirements

Znajomość zagadnień zarządzania finansami przedsiębiorstwa.

Attendance requirements for particular classes, with indication whether student attendance is compulsory

Lectures: Studenci uczestniczą w zajęciach poznając kolejne treści nauczania zgodnie z sylabusem przedmiotu. Studenci winni na bieżąco zadawać pytania i wyjaśniać wątpliwości. Rejestracja audiowizualna wykładu wymaga zgody prowadzącego. Seminar classes: Studenci prezentują na forum grupy temat wskazany przez prowadzącego oraz uczestniczą w dyskusji nad tym tematem. Ocenie podlega zarówno wartość merytoryczna prezentacji, jak i tzw. kompetencje miękkie.

Literature

Obligatory

1. Dashboard - a system of measures supporting the enterprise in achieving its goals, Barbara KOWAL, Patrycja BAŁ, Marta SUKIENNIK
2. Key performance indicators in a multi-dimensional performance card in the energy sector, KOWAL Barbara
3. Selected issues of corporate culture in the enterprise from energy industry, Patrycja BAŁ, Marta SUKIENNIK, Barbara KOWAL

Research and publications

Publications

1. Key performance indicators in a multi-dimensional performance card in the energy sector, B. Kowal. W: SEED 2017 : 2nd international conference on the Sustainable Energy and Environment Development : Kraków, Poland, 14-17 November, 2017
2. Dashboard - a system of measures supporting the enterprise in achieving its goals, Barbara KOWAL, Patrycja BAŁ, Marta SUKIENNIK, Journal of the Polish Mineral Engineering Society; ISSN 1640-4920, 2018, R. 20 nr 2, s. 41-46
3. Structure of financing investments in the energy sector / Barbara KOWAL, Robert RANOSZ, Wiktoria SOBCZYK // E3S Web of Conferences [Dokument elektroniczny]. 2017 vol. 14 art. no. 01009, s. 1-8. Energy and fuels 2016 : Krakow, Poland, September 21-23, 2016
4. W. Sobczyk, P. Pelc, B. Kowal, R. Ranosz, Ecological and economical aspects of solar energy use E3S Web of Conferences [Dokument elektroniczny]. Energy and fuels 2016 : Krakow, Poland, September 21-23, 2016