

。 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

| Subject name and code | FEASIBILITY STUDY, PG_00061874 | | | | | | | | |
|--|--|--|--|-------------------------------------|--------|---|---------|-----|--|
| Field of study | Engineering Management | | | | | | | | |
| Date of commencement of studies | October 2023 | | Academic year of realisation of subject | | | 2025/2026 | | | |
| Education level | first-cycle studies | | Subject group | | | Optional subject group Subject group related to scientific research in the field of study | | | |
| Mode of study | Part-time studies (on-line) | | Mode of delivery | | | at the university | | | |
| Year of study | 3 | | Language of instruction | | | Polish | | | |
| Semester of study | 5 | | ECTS credits | | | 4.0 | | | |
| Learning profile | general academic profile | | Assessment form | | | assessment | | | |
| Conducting unit | Department Of Management Engineering And Quality -> Faculty Of Management And Economics -> Wydziały Politechniki Gdańskiej | | | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr inż. Elwira Brodnicka | | | | | | |
| | Teachers | dr inż. Grzegorz Zieliński | | | | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Projec | :t | Seminar | SUM | |
| | Number of study hours | 16.0 | 0.0 | 8.0 | 0.0 | | 0.0 | 24 | |
| | E-learning hours included: 0.0 | | | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in classes includ plan | n didactic ed in study | Participation in consultation hours | | Self-study | | SUM | |
| | Number of study hours | 24 | | 7.0 | | 69.0 | | 100 | |
| Subject objectives | Designs technical and organizational solutions for the selected production process, taking into account the implementation possibilities in the technical, economic, organizational and environmental context | | | | | | | | |
| Learning outcomes | Course outcome | | Subject outcome | | | Method of verification | | | |
| | [K6_K02] makes competent and ethical decisions to create and maintain economic, social and environmental values | | makes competent design decisions, taking care to maintain economic, social and environmental values | | | [SK5] Assessment of ability to solve problems that arise in practice | | | |
| | [K6_W01] identifies the determinants of the processes taking place in the analyzed systems and selects methods to solve them using the accumulated knowledge, taking into account the mutual relations between the analyzed phenomena | | identifies and uses in design work the conditions for the implementation of the production process using advanced methods of analysis and evaluation | | | [SW1] Assessment of factual knowledge | | | |

| Subject contents | LECTURE Feasibility study, business plan introduction Application of the feasibility study in the life cycle of an investment project - the investment process Types, purpose of development and content of individual projects in the investment process, including feasibility studies, technical and executive designs, etc. Determination and selection of the organizational structure of the production system presented in the feasibility study Selection of the location of the production system of the analyzed feasibility study Land development plan Development of interiors of industrial and office buildings Designing the arrangement of workstations in facilities Analysis and assessment of the financial effectiveness of the design solution presented in the feasibility study Sensitivity analysis Implementation guidelines, schedule for the implementation of project activities presented in the feasibility study Risk analysis LABORATORY Development of a feasibility study for launching the production of a product prepared and analyzed on previous subjects (production management, product planning) Using previously prepared projects covering the principles of implementation of production processes for selected products, specify, among others: market conditions for the selected product, and a short characteristics of the product and design production program Characteristics of competitors and the market for the selected product Description of the organizational structure of the designed production system Description of the selected system location | | | | | | |
|--|---|--|-------------------------------|--|--|--|--|
| Prerequisites and co-requisites | | | | | | | |
| Assessment methods | Subject passing criteria | Passing threshold | Percentage of the final grade | | | | |
| and criteria | Test | 60.0% | 50.0% | | | | |
| | Feasibility study development | 60.0% | 50.0% | | | | |
| Recommended reading | Basic literature Basic literature Basic literature Durlik I.: Inżynieria zarządzania. Cz. I oraz cz. II. Wyd. 7; PLACET, 2019 Inżynieria produkcji. Kompendium wiedzy. Red. R. Knosala. Wyd. PWE 2017 Łada Monika; Kozarkiewicz Alina .: Zarządzanie wartością projekto Wyd. C.H. Beck 2010 Skrzypek J.: Biznesplan w 10 krokach, Wydawnictwo Poltext, Warszawa 2014 Pająk E.: Zarządzanie produkcją - Produkt, technologia, organizacj PWN. Warszawa, wyd. 2, 2021 | | | | | | |
| | Supplementary literature | Behrens W., Hawranek P. M.: Poradnik przygotowania przemysłowych studiów feasibility. Wyd. UNIDO Warszawa 2003; Bangs H.D.,Jr.: Biznesplan recepta na sukces Twojej firmy. (tłum. z ang.). Wyd. ACDI, Warszawa 2006 | | | | | |
| | eResources addresses Adresy na platformie eNauczanie: | | | | | | |
| Example issues/ example questions/ tasks being completed | Develop a feasibility study of launching - extending the production of the selected product for the conditions of the selected enterprise. The study should include: - Assessment and conclusions resulting from the existing state - Evaluation of the market in terms of the selected product - Technical and organizational solutions - Implementation guidelines - Estimation of the implementation costs of the proposed design solution | | | | | | |
| Work placement | | | | | | | |

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