

| Białystok University of Technology, Faculty of Mechanical Engineering | | | | | | | | | | |
|---|--|----------|-----------|----------|-----------|-----------|----------|--|--|--|
| Field of study | <i>Mechatronics</i> | | | | | | | Degree level and programme type | <i>second-cycle (MSc, Eng) full-time studies</i> | |
| Specialization/ diploma path | <i>Common course</i> | | | | | | | Study profile | <i>academic</i> | |
| Course name | <i>Creating and financing startups</i> | | | | | | | Course code | <i>IS-FME-00262S</i> | |
| | | | | | | | | Course type | | |
| Forms and number of hours of tuition | L | C | LC | P | SW | FW | S | Semester | <i>summer</i> | |
| | 15 | | | | | | | No. of ECTS credits | 1 | |
| Entry requirements | - | | | | | | | | | |
| Course objectives | <i>The aim of the course is to provide the necessary knowledge related to the verification of business ideas, the procedure for starting one's own business, the creation of business models and opportunities for financing enterprises at their early stages of development (startups).</i> | | | | | | | | | |
| Course content | <i>Ideas and their market opportunities - sources and methods of verification. Phases of businesses development. Business models - elements, methods and principles of development. Own, foreign and hybrid financing - differences, advantages and disadvantages. Traditional sources of financing: bank credits, loans, depreciation, retained profit, issue of securities, leasing. Non-conventional (alternative) financing: venture capital/private equity funds, angel investors, crowdfunding, securitisation, factoring and forfaiting, off-balance sources. Financial forms of support for startups by business environment institutions: subsidies, grants. Non-financial forms of support for startups.</i> | | | | | | | | | |
| Teaching methods | <i>Information and problem lecture</i> | | | | | | | | | |
| Assessment method | <i>Lecture: one test</i> | | | | | | | | | |
| Symbol of learning outcome | Learning outcomes Students who successfully complete the course: | | | | | | | Reference to the learning outcomes for the field of study | | |
| LO1 | <i>know and understand the concept as well as the legal and economic conditions of startup functioning</i> | | | | | | | <i>MK2_W09</i> | | |
| LO2 | <i>know aid programmes aimed at supporting the development and innovation of entrepreneurship and micro-and small enterprises, and understand their operational logic</i> | | | | | | | <i>MK2_W10</i> | | |
| LO3 | <i>know the rules for the creation and development of business at different stages of their growth as well as understand the characteristics of startups</i> | | | | | | | <i>MK2_W08</i> | | |
| LO4 | <i>know the sources as well as formal and legal conditions for obtaining support</i> | | | | | | | <i>MK2_U03</i> | | |
| LO5 | <i>are ready to think and act in an entrepreneurial manner</i> | | | | | | | <i>MK2_K05</i> | | |
| Symbol of learning outcome | Methods of assessing the learning outcomes | | | | | | | Type of tuition during which the outcome is assessed | | |
| LO1 | <i>Lecture: one test</i> | | | | | | | <i>L</i> | | |
| LO2 | <i>Lecture: one test</i> | | | | | | | <i>L</i> | | |
| LO3 | <i>Lecture: one test</i> | | | | | | | <i>L</i> | | |
| LO4 | <i>Lecture: one test</i> | | | | | | | <i>L</i> | | |
| LO5 | <i>Lecture: one test</i> | | | | | | | <i>L</i> | | |
| Student workload (in hours) | | | | | | | | No. of hours | | |
| Calculation | <i>Participation in lectures</i> | | | | | | | <i>15</i> | | |
| | <i>Preparation for passing the lecture</i> | | | | | | | <i>5</i> | | |
| | <i>Participation in consultations</i> | | | | | | | <i>5</i> | | |
| | TOTAL: | | | | | | | <i>25</i> | | |

| Quantitative indicators | | HOURS | No. of ECTS credits |
|---|---|-------|--------------------------------------|
| Student workload – activities that require direct teacher participation | | 20 | 0.8 |
| Student workload – practical activities | | 0 | 0 |
| Basic references | 1. <i>Wieczorek m., Prawo dla startupu, Wyd. Helion, Gliwice 2017</i> 2. <i>Nehrebecka N., Białek-Jaworska N., Dzik-Walczak A., Źródła finansowania przedsiębiorstw, Difin, Warszawa 2016</i> 3. <i>Grzywacz J. (red.), Źródła finansowania działalności rozwojowej przedsiębiorstw w Polsce, Difin, Warszawa 2016</i> 4. <i>Nielsen N.H., Finansowanie startupów. Poradnik przedsiębiorcy, Wyd. Helion, Gliwice 2018</i> | | |
| Supplementary references | 1. <i>Glinka B., Pasieczny J., Tworzenie przedsiębiorstwa. Szanse, realizacja, rozwój, Wydawnictwa Uniwersytetu Warszawskiego, Warszawa 2015</i> 2. <i>Polskie startupy Raport 2017, Fundacja Startup Polska, Warszawa 2018</i> 3. <i>Piekunko-Mantiuk I., Aniołowie biznesu i ich rola w finansowaniu startupów, Ekonomia i zarządzanie nr 4/2014</i> 4. <i>Piekunko-Mantiuk I., Crowdfunding jako źródło finansowania start-upów oraz małych i średnich przedsiębiorstw, Przedsiębiorczość i Zarządzanie, tom XVII, zeszyt 7, część 3, Warszawa 2016</i> | | |
| Organisational unit conducting the course | <i>Department of Marketing and Entrepreneurship</i> | | Date of issuing the programme |
| Author of the programme | <i>Iwona Piekunko-Mantiuk, PhD</i> | | 24.04.2019 |
| <i>L – lecture, C – classes, LC – laboratory classes, P – project, SW – specialization workshop, FW - field work, S – seminar</i> | | | |