

1. Field of study	Materials Science and Engineering
2. Faculty	Faculty of Science and Technology
3. Academic year of entry	2019/2020 (winter term), 2020/2021 (winter term), 2021/2022 (winter term), 2022/2023 (winter term)
4. Level of qualifications/degree	first-cycle studies (in engineering)
5. Degree profile	general academic
6. Mode of study	full-time

Module: Basics of management

Module code: IM1A_PZ

1. Number of the ECTS credits: 3

2. Learning outcomes of the module			
code	description	learning outcomes of the programme	level of competence (scale 1-5)
IM1A_PZ_1	Students have elementary knowledge about management, including the quality management and running a business.	IM1A_W17	5
IM1A_PZ_2	Students can prepare the organisation mission and objectives, carry out negotiations, prepare and implement strategies of organisation development, can recognise the management functions in individual processes.	IM1A_U18	5
IM1A_PZ_3	Students can prepare documentation for invention and utility design applications, know basic legislation related to the intellectual property protection.	IM1A_U19	5
IM1A_PZ_4	Students are aware of the responsibility for the taken decisions and of the importance of professional behaviour.	IM1A_K03 IM1A_K04	2 2

3. Module description

Description	The Basics of management module shall enable students learning basic terms related to management, including the quality management and running a business. Students will gain the knowledge about preparation of the organisation mission and objectives, carrying out negotiations, preparing and implementing strategies of organisation development, recognising management functions in individual processes.
Prerequisites	The knowledge within the secondary school scope is required: mathematics, physics, chemistry, and biology .

4. Assessment of the learning outcomes of the module

code	type	description	learning outcomes of the module
IM1A_PZ_w_1	Credits	Verification of the knowledge based on the lectures content, recommended literature and attended classes.	IM1A_PZ_1, IM1A_PZ_2, IM1A_PZ_3, IM1A_PZ_4

IM1A_PZ_w_2	Project	Checking the skill of practical application of the acquired knowledge - the analysis of source literature, preparing of a concept to run an own business - under supervision of the teacher; project presentation; discussions, conclusions.	IM1A_PZ_1, IM1A_PZ_2, IM1A_PZ_3, IM1A_PZ_4
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5. Forms of teaching						
code	form of teaching			required hours of student's own work		assessment of the learning outcomes of the module
	type	description (including teaching methods)	number of hours	description	number of hours	
IM1A_PZ_fs_1	lecture	The lecture shall enable learning basic terms related to management, including the quality management and running a business.	30	The work with the recommended literature comprising independent acquisition of knowledge related to basic issues.	30	IM1A_PZ_w_1
IM1A_PZ_fs_2	discussion classes	Students will acquire the skill to prepare the organisation mission and objectives, to carry out negotiations, prepare and implement strategies of organisation development, recognise management functions in individual processes.	15	Preparation and implementation of an own business project; preparation to present the work and to discuss.	20	IM1A_PZ_w_2