1.	Field of study	Materials Science and Engineering
2.	Academic year of entry	2018/2019 (summer term)
3.	Level of qualifications/degree	second-cycle studies
4.	Degree profile	general academic
5.	Mode of study	full-time

Module: Production and quality management

Module code: IM2A_ZPiJ

1. Number of the ECTS credits: 2

2. Learning outcomes of the module

code	description	learning outcomes of the programme	level of competence (scale 1-5)
IM2A_ZPiJ _1	Students have a broadened knowledge about management, including the quality management and running a business, know principles of individual entrepreneurship creation and development.	IM2A_W04 IM2A_W16	5 5
IM2A_ZPiJ_2	Students have preparation necessary to work in an industrial environment and know the safety rules.	IM2A_U12	5
IM2A_ZPiJ_3	Students know principles, ways and methods of running production and service activities, and also the organisation of production and service space. They can specify logistic parameters affecting the course of production processes and services. They know and understand HR management methods and instruments.	IM2A_U20	3
IM2A_ZPiJ_4	Students are aware of importance and understand non-technical aspects and effects of engineering activities, including their influence on a human organism and environment and related responsibility for the taken decisions.	IM2A_K02	3

3. Module description

Description	The module Production and quality management shall enable that students learn basic principles of production management and issues related to the quality management in an organisation, with special emphasis on an enterprise.
Prerequisites	The knowledge of basics of management, integrated management systems and psychological aspects of the work environment.

4. Assessment of the learning outcomes of the module

code	type	description	learning outcomes of the module
IM2A_ZPiJ_w _1	Test	Written test consisting of open and closed questions.	IM2A_ZPiJ _1, IM2A_ZPiJ_2, IM2A_ZPiJ_3, IM2A_ZPiJ_4

IM2A_ZPiJ_w_2	Credits paper	Development and presentation of a production and QM system based on an example of a selected enterprise.	IM2A_ZPiJ _1, IM2A_ZPiJ_2, IM2A_ZPiJ_3, IM2A_ZPiJ_4

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	
IM2A_ ZPiJ _fs_2	practical classes	Lectures with the analysis of case studies, using multimedia presentations.	15	The work with the recommended literature comprising independent acquisition of knowledge related to basic issues.	10	IM2A_ZPiJ_w_2
IM2A_ZPiJ_fs_1	lecture	The work with the recommended literature comprising independent acquisition of knowledge related to basic issues	15	Developing the credits paper based on a selected example; preparation to the presentation and discussion.	15	IM2A_ZPiJ_w_1