Course Unit Descriptor

Study Programme: Production Engineering			
Course Unit Title: Production Design			
Course Unit Code: P4410A			
Name of Lecturer(s): Sekulić Milenko			
Type and Level of Studies: Master level			
Course Status (compulsory/elective): compulsory			
Semester (winter/summer): Winter/Summer			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): Face-to-face			
Number of ECTS Allocated: 6			
Prerequisites: None			
Course Aims: Acquiring fundamental knowledge in the field of production and industrial design			
Learning Outcomes: Acquired knowledge should enable designers and constructors to successfully design products which apart from the functionality should meet aesthetic requirements.			
Syllabus: Design concept and its historical development. Importance of design. An introduction to the design process. Basic concepts of design. Universal design. Sustainable design. Concept of product. Factors influencing on the design of the product. Principles and elements of design. Expressive means in industrial design: the type, quality and color of the material and processing operations. Design, functionality, ergonomics, aesthetics and technologicality of industrial products .Design of a new product-the product innovation process. The basic design cycle. Vision in Product Design. Creating a design goal. Creating product ideas and concepts. Design sketching.Decision and Selection. Evaluation of product features. Product simulation and testing. Communicating the results of e design process.			
Required Reading: Relevant literature in English TBD			
Weekly Contact Hours:	**Lectures:**	**Practical work:**	
Teaching Methods: Lectures are realized in the form of lectures, computer and graphical practical classes. During lectures theoretical part is presented with appropriate practical examples. During computer practical classes students are taught to use information technologies in the field of the subject content. Apart from that regular consultations are held. Final mark is formed on the basis of class attendance, partial examination results and oral exam.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	**Final exam**	points
Group Assignment		Examination Assignment	
Exercises			
Test			
Test			
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			