

## Course Unit Descriptor

<b>Study Programme:</b> Engineering Management; Information Technology Management
<b>Course Unit Title:</b> Organization of Business Systems
<b>Course Unit Code:</b> OAS082
<b>Name of Lecturer(s):</b> Assistant Professor Sanja Stanisavljev, PhD
<b>Type and Level of Studies:</b> Bachelor Academic Degree
<b>Course Status (compulsory/elective):</b> Compulsory
<b>Semester (winter/summer):</b> Winter
<b>Language of instruction:</b> English
<b>Mode of course unit delivery (face-to-face/distance learning):</b> Face-to-face
<b>Number of ECTS Allocated:</b> 6
<b>Prerequisites:</b> None
<b>Course Aims:</b> The main aim of this course is to help students understand the knowledge and skills required to manage organization, innovation and change. Production management needs. The principles of process management. Systems for production management. PBC approach. MRP approach. Just-in-Time. IIS approach in the management of work processes. The modules of the system for managing work processes. Information systems for the management of work processes. Key changes in the organization and the external environment. Funky business organization. Different models of change management; Industry 4.0., Model 7S., Knowledge integration on companies functional strategies, understanding of fundamental strategic concepts in industrial systems.
<b>Learning Outcomes:</b> Students will be able to: understand the structure of work processes and their interconnections, and other functions related enterprises; modeling system for managing work processes; apply their theoretical knowledge and experience from a number of practical examples processed at solving the problems of planning and managing work processes. The goal of course is to master the basic knowledge in the field of production planning and control processes in product and service companies and the acquisition of competencies for the implementation of modern systems for planning, directing and controlling the flow of work processes in real companies, as well as integration with other enterprise systems.
<b>Syllabus:</b> <i>Theory</i> Theoretical foundation and nature based principles of organization, innovative organization - types, characteristics, organizational structure and organizational culture. Students are trained to understand theoretical and practical basis of organization, organization of business systems, new models of organization and production management <i>Practice</i> Students will be able to apply knowledge in a team work and individually, be able of critical thinking and leadership. Students are trained to understand theoretical and practical SWOT analysis, PEST, Internal and external situation analysis. PEST, 5 Porter Forces, Concurrent Intelligence, Industry branch analysis, Value Chain Analysis, Long term and

Short term goals. Transformation of value chain into competitive advantage.

**Required Reading:**

1. Organization Theory and Design, Tenth Edition Richard L. Daft, 2008
2. Wollmann, E.T. Manufacturing Planning and Control Systems, McGraw-Hill 2005
3. Burgelman, R., Christensen, C., Wheelwright, S. Strategic Management of Technology and Innovation 2008  
McGraw Hill English

**Weekly Contact Hours:** 4

**Lectures:** 2

**Practical work:** 2

**Teaching Methods:**

Lectures and students group work

**Knowledge Assessment (maximum of 100 points): 100**

<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Active class participation	10	written exam	
Test I and Test II	40	oral exam	30
Preliminary exam(s)			
Seminar(s)	20		