

DESCRIPTION OF A STUDY COURSE – SYLLABUS

Title of a course	Information Systems of Production				
Study programme	Professional undergraduate study Information Science				
Status of a course	Elective				
Year of study	3	Semester (Winter/Summer)	W	ECTS credits	5
Goals of a course					
Acquisition of specific competences in the fields of developing information systems and planning and management of production systems. From general competences, developing the ability to analyse and synthesize, work independently and work in small groups (team work) and present the achieved results.					
Conditions for enrolling course					
No conditions					
Learning outcomes on a level of a study programme which includes course					
<p>Outcome 5: Apply website design and implementation methods.</p> <p>Outcome 11: Apply mathematical and statistical methods in information science.</p> <p>Outcome 12: Apply engineering methods and principles in information science.</p> <p>Outcome 13: Apply manners of organizing business systems and marketing of products and services in information science.</p> <p>Outcome 14: Participate in teamwork.</p> <p>Outcome 15: Independently present professional content in written and spoken form in Croatian and English.</p>					
Expected learning outcomes on a level of a course					
<ol style="list-style-type: none"> 1. Distinguish types of production, production systems layouts and their balancing. 2. Analyse the throughput of a production system and the management of production and product quality at a company with an information system. 3. Explain technical aspects of information system of production and decision-support system. 4. Describe development, characteristics and structure of information system in a company, basic system for automation in production and the procedure for implementing information system of a production. 					
Content of a course					
<p>Concept of information system of production. Functional description of the business process: purchasing, selling and production. System structure. Information subsystems of purchasing, selling and production. Structuring of input and output data. Need for system development. Preparation, selection and data input into the system.</p> <p>Students elaborate different tasks selected from practice or literature.</p>					
Teaching modes	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> auditory exercises <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> distance learning <input type="checkbox"/> field classes		<input checked="" type="checkbox"/> individual assignments <input type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> supervisor's work <input type="checkbox"/> other _____		
Grading, evaluation and monitoring of students' work continuously during lectures and exams					
Grading is based upon evaluation course's learning outcomes' adoption. Grading is performed continuously during lectures and/or during exam, in compliance with the provisions of Regulation on the assessment of students.					