

Study program: Industrial Engineering			
Course title: Professional Practice			
Professor/assistant: All teachers of the study program who teach subjects from professional and professional application areas			
Type of course: compulsory			
ECTS credits: 3			
Pre-requisites: Students who enrolled the third year.			
Aims of the course: Acquisition and application of modern technologies in the field of industrial engineering in economy and society, field teaching and practical implementation of projects, from professional subjects to the selected work organizations, are in the function of preparing the final paper.			
Learning outcomes: Students are expected to: - possess the ability to work in a team while solving complex professional problems, - use contemporary engineering tools for calculating, modeling, simulation, - gain the ability to engage in planning, preparation, organization and production management in the field of industrial engineering, - be trained to collect, analyze and systematize theoretical and practical problems of engineering practice, provide solutions and predict consequences in solving these problems, - collect data and prepare the practical part of the work for the final paper.			
Syllabus Engineering practice takes place in the sixth semester and is realized in working organizations of production, service and other activities with whom the Technical College Niš has signed business and technical cooperation contracts. Professional practice can be done in the college premises. Practice is performed according to the general and individual program contents, agreed between the co-mentor from the organization, course teacher - mentor and a student, in the function of preparing the final paper. Procedures and forms related to professional practice are presented at the college website. The student performs general and specific tasks in practice. General tasks imply that the student is acquainted with the history of the company, organizational structure and the production program. Special professional tasks that the student needs to conduct during the course of practice define the co-mentor from the company and the mentor-teacher. These are thematic courses the student has attended and deployed in professional subjects, and now this knowledge is applied in practice in a chosen company. Teachers-mentors and co-mentors have the task of defining precisely the tasks and responsibilities of the student in order to familiarize students with company or institution organization, work processes, technology, quality control of products and services, and the way of collecting and processing data related to the final paper. The co-mentor in the company cooperates with the student on a daily basis, instructs him and follows his work. After conducting engineering practice, the student submits the report, which according to the content and the form, corresponds to the teacher's instructions defined at the beginning of the practice. Following the instruction of the KAP from 14 November 2011, professional practice is not assessed. In the study program of industrial engineering topics that the student deals with in practice are the following: organization and preparation of production; use of different materials; participation in preparation of a generating tool, project design and quality control; product finishes and other activities depending on the requirements of manufacturing or service processes.			
Literature			
Number of active classes			Other forms of teaching:
Lectures:	Practical classes:	Research work: 45 hours	
Teaching methods Mentoring, Interactive, Practical, Demonstrational			
Grading system Refused / Not Defended			
Pre-exam obligations	points	Final exam	points
activity during theoretical lectures		written exam	
practical training		oral exam	
colloquium(s)/seminar papers			
Sum		Sum	