

Study Programme: Graphic Engineering and Design			
Course Unit Title: Printing forms			
Course Unit Code: F307			
Name of Lecturer(s): Pavlović Živko			
Type and Level of Studies: Bachelor Level			
Course Status (compulsory/elective): compulsory			
Semester (winter/summer): Winter			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): Face-to-face			
Number of ECTS Allocated: 7			
Prerequisites: None			
Course Aims: To enable students to acquire basic and practical knowledge in the field of preparing printing forms.			
Learning Outcomes: Acquired knowledge is used as a base in further education, and in practical application.			
Syllabus: Imaging and developing of offset printing forms in a printing house. Standardization in making offset printing forms. Influencing factors on the offset printing form during the printing process. Imaging equipment for printing plates. Developing machines. Computer-to-Plate (CTP) technology and the main elements of the CTP system. Hybrid printing forms. Silver halide printing forms. Thermal plates technology. Making printing forms for gravure printing. Chemical method. Electro-engraving. Laser-made printing forms for gravure printing. Making printing forms for letterpress printing. Photo-polymer printing form, types and usage. Technical process for obtaining photo-polymer printing forms. Photo-polymers for making printing forms for flexography printing. Printing forms for non-conventional printing techniques. Printing forms for screen printing and pad printing. Making of printing forms for digital printing. Control strips for analogue and digital printing plates.			
Required Reading: Relevant literature in English TBD			
Weekly Contact Hours: 8	Lectures: 4	Practical work: 0	
Teaching Methods: Active participation of teachers and students in classes with the application of contemporary didactic means, group work in the laboratory and individual elaboration of the given seminar paper topic			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Laboratory exercise attendance	5	written exam	40
Lecture attendance	5	oral exam	30
Laboratory exercise defence	20	
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			