

Course Unit Descriptor

Study Programme: Graphic Engineering and Design			
Course Unit Title: Chemistry in Graphic Engineering			
Course Unit Code: F103			
Name of Lecturer(s): Miljana Prica			
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: 6			
Prerequisites: None			
Course Aims: Acquiring basic knowledge in selected chapters in chemistry which are important for graphic engineering.			
Learning Outcomes: Acquired knowledge is used as basics for understanding fundamentals of physical – chemical processes in further education of graphic profession.			
Syllabus: The course includes basic notions and chemical laws, structure of solid substances, nature of gasses and liquids, structure of atoms, chemical connections and structure of molecules, oxides, acids, bases and salts, chemical reactions, thermo-chemistry, fundamentals in electro-chemistry, surface appearances, colloid systems, photochemistry, fundamentals in organic chemistry, chemical structure of polymerials, chemical content and basic properties of printing colours, chemical content of glues.			
Required Reading: Relevant literature in English TBD			
Weekly Contact Hours: 4	Lectures: 2	Practical work: 0	
Teaching Methods: Active participation of teachers and students in classes with modern didactic devices, laboratory work in small groups with the use of experimental techniques and calculations from selected areas of chemistry relevant to the field of printing. In addition to lectures and experimental exercises consultations are regularly held			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Laboratory exercise attendance	5	oral exam	30
Lecture attendance	5		
test	10	
test	10		
test	10		
test	10		
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.			

