



UNIVERSITY OF NOVI SAD  
FACULTY OF TECHNICAL SCIENCES



COURSES IN ENGLISH

<b>Course:</b>		Colour Management			
Course code:		F504I9			
ECTS credits:		3			
Lecturers:		Ivana Tomic			
<b>Number of classes(per week)</b>					
Lectures:2	Practice:0	Other forms of classes:2	Academic research:0	Other:0	
<b>Prerequisite courses</b>					
Number	Course code	Course title	Obligatory attendance	Obligatory to pass	
-	-	-	-	-	
<b>1. Educational objectives:</b>					
<p>The objective of this course is to introduce students to the fundamental concept of colour management in digital systems for colour reproduction in graphic industry. Students will be introduced with basic elements of the colour management system, concepts for colour information digitalization, their quantification and transformation modes in order to preserve original values. The course includes basic concepts of calibration, characterization and profiling of input, presenting and output devices in digital working flows. At the end of the course students will be trained to perform a colour management system set-up in the graphic industry, and to perform the instrumental information management related to proper and faithful colour reproduction.</p>					
<b>2. Educational outcomes (acquired knowledge):</b>					
<p>Acquired knowledge is used in profession, research, individual work, as well as in further professional development.</p>					
<b>3. Course content/structure:</b>					
<p>Basics in colour management (concept of ICC colour management, CMM, survey purposes, profiles, PCS). Colour management working flows. Fundamental concepts in calibration, characterization and profiling (colour range, tone reproduction curve, dynamic range). Colour gamut mapping. Fundamentals in ICC profiles (structure, LUT matrix digitalization system). Arranging, controlling and applying ICC systems. Colour management in presenting devices (CRT, LCD, plasma screens). Colour management in projection devices (DLP, Lcos, LCD projectors). Colour management in input devices (digital camera, scanner). Colour management in output devices (digital and conventional printing and printing systems). Colour management in operation systems, Internet applications. Procedure standardization in colour management.</p>					
<b>4. Teaching methods:</b>					
<p>Teaching is held with contemporary didactic means and methods, interactively in the form of lectures, computer and laboratory practice. Theory is presented in lectures. At practice, lecture content is repeated and knowledge is expanded by using measuring equipment. Apart from lectures and practice, consultations are also held.</p>					
<b>Knowledge evaluation (maximum number of points 100)</b>					
Pre-exam assignments	Compulsory	Points	Final examination	Compulsory	Points
Laboratory exercise attendance	YES	3	Written part of the exam	YES	40
Laboratory exercise defense	YES	20	Oral part of the exam	YES	30
Lecture attendance	YES	5			
Computer exercise attendance	YES	2			
<b>Literature</b>					
Relevant literature in English					