

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Fotografija in računalniška grafika
Course title:	Photography and Computer Graphics

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Mediji in novinarstvo / Media and Journalism	Program nima smeri / Program has a single course	prvi / first	prvi / first
Visokošolski strokovni/B.A.			

Vrsta predmeta / Course type obvezni / obligatory

Univerzitetna koda predmeta / University course code: VIS15

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija / Other forms of Study	Samost. delo Individ. work	ECTS
15		30	30		165	8

Nosilec predmeta / Lecturer: Izr. Prof. dr. Blaž Rodič / Blaž Rodič, Ph.D. Assistant Professor

Jeziki / Languages:	Predavanja / Lectures:	Slovenščina, angleščina / Slovene, English
	Vaje / Tutorial:	Slovenščina, angleščina / Slovene, English

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:

Pogoj za opravljanje obveznosti je vpis v prvi letnik.

Prerequisites:

Enrolment in the first year of study.

Vsebina:

- Zgodovina in razvoj fotografije;
- Osnove klasične in digitalne fotografije;
- Oprema in programska oprema za digitalno fotografijo in obdelavo fotografij;
- Osnovni grafični programi;
- Izdelava kompleksnih fotografskih izdelkov.

Content (Syllabus outline):

- The history and development of photography;
- Basics of classical and digital photography;
- Equipment and software for digital photography and image processing;
- Basic graphic programs;
- Creating complex photographic products.

Temeljni literatura in viri / Readings:

- REPOVŠ, Jernej. 1995. Kako nastaja in deluje učinkovita, tržno usmerjena celostna grafična podoba kot del simbolnega identitetnega sistema organizacij/Ljubljana: Studio Marketing. ISBN 961-90260-04.
- HOČEVAR, Uroš (2010): Estetika reportažne fotografije/Ljubljana, MASKA, ISBN 978-961-6572-21-7 253185792
- KANTE, Božidar (2001): Filozofija umetnosti/ Jutro, ISBN 96-6433-01-6 115327744
- LAMPIČ, Primož (2000): Fotografija in stil/ Znanstveni inštitut FF, ISBN 86-7207-128-X 1100745648
- BOŽIČ, Dušan (et al.) (2001): Interdisciplinarnost barve, Del 1: V znanosti / Maribor DKS, ISBN 961-90948-0-8

Cilji in kompetence:

- sposobnost oblikovanja izvirnih idej, konceptov in rešitev določenih problemov;
- sposobnost fleksibilne uporabe znanja v praksi;
- poznavanje pomena kakovosti in prizadevanje za kakovost strokovnega dela skozi avtonomnost, (samo)kritičnost, (samo)refleksivnost in (samo)evalviranje v strokovnem delu.
- sposobnost povezovanja koherentno obvladanega temeljnega znanja, pridobljenega pri obveznih predmetih, ter njegova uporaba v praksi oblikovanja medijskih vsebin;
- sposobnost uporabe informacijsko komunikacijske tehnologije in sistemov na področju medijev in medijske produkcije,
- poznavanje in obvladovanje procesov in tehnik kreativnega ustvarjanja medijskih vsebin;
- razvoj veščin in spretnosti pri uporabi znanja na področju medijev in medijske produkcije s pomočjo reševanja konkretnih problemov

Objectives and competences:

- Ability to formulate original ideas, concepts and solutions of certain problems;
- Ability of the flexible use of knowledge in practice;
- Knowledge of the importance of quality, and striving for quality professional work through autonomy, (self-) criticism, (self-) reflexivity and (self-) evaluation of professional work.
- Development of skills and the application of knowledge in the field of media and media production through problem-solving;
- Ability to connect coherent knowledge base, obtained from compulsory courses, as well as its application in practice;
- Ability to use IKT in the field of media production;
- Knowledge and management of processes and techniques of creative production of media contents;
- Development of skills for the use of knowledge in the field of media production by resolving concrete problems.

Predvideni študijski rezultati:

Študent/študentka:

- Pozna zgodovino in razvoj fotografije;
- Pozna osnove klasične in digitalne fotografije;
- Pozna opremo in programsko opremo za digitalno fotografijo in obdelavo fotografij;
- Pozna in uporablja osnovne grafične programe;
- Zna izdelati kompleksne fotografske izdelke;
- Razume pomen tipografije v oblikovalskem procesu;
- Pozna oblikovalske postopke v tiskanih medijih in njihove posebnosti;
- Pozna oblikovalske postopke v interaktivnih medijih in njihove posebnosti.

Metode poučevanja in učenja:

- Predavanja z aktivno udeležbo študentov (razlaga, diskusija, vprašanja, primeri, reševanje problemov);
- Seminarske vaje (refleksija izkušenj, projektno delo, timsko delo, metode kritičnega mišljenja, diskusija, sporočanje povrate informacije, socialne igre);
- Eksperimentalne vaje, ki temeljijo na izkušnjskem, sodelovalnem in problemskem učenju (samostojno učenje, diskusija, razlaga, opazovanje, timsko delo, študija primera, metode kritičnega branja in pisanja, igra vlog, sodelovalno učenje, portfolijo, evalvacija, samoocenjevanje);
- Individualne in skupinske konsultacije (diskusija, dodatna razlaga, obravnava specifičnih vprašanj);
- Oblikovanje portfolija in samostojen študij (motiviranje, usmerjanje, samoopazovanje, samouravnavanje, refleksija).

Intended learning outcomes:

Students:

- Know the history and development of photography;
- Know the basics of classical and digital photography;
- Are familiar with the equipment and software for digital photography and image processing;
- Know and apply basic graphic programs;
- Know how to create a complex photographic products;
- Understand the importance of typography in design process;
- Know design procedures in print media and their specifics;
- Know design processes in interactive media and their specifics.

Learning and teaching methods:

- Lectures with students' active participation (explanation, discussion, questions, examples, problem solving);
- Tutorial (reflection of experience, project work, team work, critical thinking, discussion, feedback, social games);
- Experimental exercises, based on experiential, collaborative and problem based learning (independent learning, discussion, explanation, observation, teamwork, case study, methods of critical reading and writing, role play, cooperative learning, portfolio, evaluation, self-assessment);
- Individual and group consultations (discussion, additional explanation, dealing with specific issues);
- Creation of portfolio and independent study (motivation, guidance, self-observation, self-regulation, reflection).

Načini ocenjevanja:**Assessment:**

<p>Način (pisni izpit, ustno izpraševanje, naloge, projekt):</p> <p>Ustni izpit 20% ocene Sprotno delo 80% ocene</p> <ul style="list-style-type: none"> • Kratke predstavitve izdelkov (fotografija, grafika) 20% • Seminarski izdelek – fotografija 25% in grafični izdelek 25% • Krajše naloge in diskusije 10% <p>Ocenjevalna lestvica – skladno s Pravilnikom o preverjanju in ocenjevanju znanja.</p>	<p>Delež (v %) / Weight (in %)</p>	<p>Type (examination, oral, coursework, project):</p> <p>Oral exam - 20% of the grade Regular work 80% of the grade</p> <ul style="list-style-type: none"> • A short presentation of products (photo, graphics) 20% • Seminar paper – a photo 25% and a graphic product 25% • Shorter tasks and discussions 10% <p>Grading is in accordance with the Faculty's evaluation Ordinance</p>
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Reference nosilca / Lecturer's references:

- RODIČ, Blaž. Distribuirani sistemi za podporo odločanju in programski agenti. (Distributed decision support systems and software agents), Nova Gorica: Fakulteta za uporabne družbene študije, 2008. 170 pgs. ISBN 978-961-6718-05-9.
- KANDUČ, Tadej and RODIČ, Blaž. Optimisation of machine layout using a force generated graph algorithm and simulated annealing, International Journal of Simulation Modelling, Vol. 15, No. 2, pp 1726-4529, 2016.
- KANDUČ, Tadej and RODIČ, Blaž. Optimization of a furniture factory layout, Croatian Operational Research Review, 2015.
- RODIČ, Blaž, BAGGIA, Alenka. Dynamic airport ground crew scheduling using a heuristic scheduling algorithm. International journal of applied mathematics and informatics, ISSN 2074-1278, 2013, vol. 7.
- RODIČ, Blaž, VUKOVIČ, Goran, ZAVRŠNIK, Bruno, MIGLIČ, Gozdana. Issues in introducing training needs analysis in Slovenia's public administration. Transylvanian review of administrative sciences, 2012, no. 37 E, pgs. 155-171.
- RODIČ, Blaž. Mobile agents for distributed decision support systems. Int. Sci. J. Manag. Inf. Syst., 2011, vol. 6, no. 1, pgs. 20-27.
- VUKOVIČ, Goran, ZAVRŠNIK, Bruno, RODIČ, Blaž, MIGLIČ, Gozdana. The training of civil servants in the Slovene state administration: issues introducing training evaluation. Int. rev. adm. sci., dec. 2008, vol. 74, no. 4, pgs. 653-676.
- RODIČ, Blaž, KLJAJIĆ, Miroljub. Accessing distributed data sources with mobile agents and XML. V: JAŠKOVÁ, Mária (ur.). ECON '05 : [selected research papers], (Research works proceedings, Vol. 12, 2005). Ostrava: Technical University of Ostrava, Faculty of Economics, 2005, pgs. 280-287.
- KLJAJIĆ, Miroljub, BRESKVAR, Uroš, RODIČ, Blaž. Computer aided scheduling with use of genetic algorithms and a visual discrete event simulation model. WSEAS Trans. Syst., 2004, vol. 3, no. 3, pgs. 1021-1026.