

<b>Course title: Practicum in Web Design</b>
Course code: 61039
ECTS credits: 4
Requirements: None
<b>Basic information</b>
Level of studies: Undergraduate applied studies
Year of study: 1
Trimester: 1
Goal: Applying image processing tools, with special emphasis on image optimization for the Web and creating Web templates for Web sites.
Outcome: The student will be able to prepare optimized images for Web applications, as well as to create a Web template in accordance with the needs of real Web sites, with the application of image processing tools.
<b>Contents of the course</b>
Practical instruction (Problem solving sessions/Lab work/Practical training)
1. Image processing tool: Introduction to the work environment
2. Image processing tool: Selection
3. Image processing tool: Working with layers and masks
4. Image processing tool: Image transformation
5. Image processing tool: Image quality improvement
6. Image processing tool: Application of filters
7. Image processing tool: Image restoration
8. Image processing tool: Web page design
9. Image processing tool: Text and vector graphics
10. Image processing tool: Image compression and image optimization for Web applications.
<b>Textbooks and References</b>
1. Rafael C. Gonzalez: Digital Image Processing (3rd Edition), Prentice Hall, 2007.
2. Miodrag Popović: Digitalna obrada slike, Akademska misao, Beograd, 2006.
<b>Number of active classes (weekly)</b>
Lectures: 0
Practical classes: 4
Other types of classes: 0

<b>Grading (maximum number of points: 100)</b>
<b>Pre-exam obligations: Points</b>
Activities during lectures:
Activities on practical excersises: 40
Seminary work:
Colloquium: 30
<b>Final exam: Points</b>
Written exam: 30
Oral exam:
<b>Lecturer</b>
<b>Associate</b>
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