

**UNIVERSITY OF KRAGUJEVAC**

**Faculty of Philology and Applied Arts**

**S Y L L A B U S**

<b>Programme</b>	<b>BA Studies of Interior Architecture, Graphic Design</b>								
<b>Course Name and Code</b>	<b>Design of forms</b>								
<b>Course Structure (lectures, seminars)</b>	2+1								
<b>Year of Study</b>	First								
<b>Academic Year</b>	2021/2022								
<b>Semester</b>	I, II								
<b>ECTS Credits and Course Status (mandatory or elective)</b>	8								
<b>Instructor(s)</b>	Jelena V. Atanasijevic, PhD, Associate Professor								
<b>Course Requirements</b>	-								
<b>Course Aims</b>	The aim of the course program is to acquire basic knowledge in the field of geometry, axonometry and perspectives in order to qualitatively, represented spatial forms through various contents and skills.								
<b>Course Overview</b>	Through lectures, the student studies the theory of proportion, correct polygons, curves in a plane - conic, polyhedra, curves in space, spiral torso, oblique frontal projections, orthogonal projections, axonometry, perspective, anamorphosis, ornaments, fractal geometries. The content of the tasks in the exercises follows the methodological units from the lectures through drawing, model making, video presentations, installations.								
<b>Grading System (including segment percentage)</b>	<table> <tr> <td>Activities during the Lecturare</td> <td>20</td> </tr> <tr> <td>Practies work/Projects designes</td> <td>20</td> </tr> <tr> <td>Colloquium</td> <td>30</td> </tr> <tr> <td>Final project</td> <td>30</td> </tr> </table>	Activities during the Lecturare	20	Practies work/Projects designes	20	Colloquium	30	Final project	30
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Colloquium	30								
Final project	30								
<b>Textbooks and Mandatory Reading</b>	<ul style="list-style-type: none"> <li>• Schwerdtfeger, H. (2020), <i>Geometry of complex numbers</i>. University of Toronto Press</li> <li>• Scholze, P., &amp; Weinstein, J. (2020), <i>Berkeley lectures on p-adic geometry</i>. Princeton University Press.</li> <li>• Bach, M., &amp; Poloschek, C. M. (2006). <i>Optical illusions Adv Clin Neurosci Rehabil</i></li> <li>• Hamburger, K., Hansen, T., &amp; Gegenfurtner, K. R. (2007). <i>Geometric-optical illusions at isoluminance Vision research</i></li> </ul>								

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|  | <ul style="list-style-type: none"><li>• Franceschiello, B., Sarti, A., &amp; Citti, G. (2018). A neuromathematical model for geometrical optical illusions, <i>Journal of Mathematical Imaging and Vision</i></li><li>• Gregory, R. L. (1968). <i>Optical Illusions and the Visual Arts</i> by Ronald G. Carragher and Jacqueline B. Thurston, <i>Leonardo</i></li><li>• McNaughton, P. (2007) <i>Perspective and other optical illusions</i>. Bloomsbury Publishing USA.</li></ul> |
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