RĪGAS TEHNISKĀ UNIVERSITĀTE

RTU Course "Blueprint of Applied Designs"

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General data

Code	MŠM333
Course title	Blueprint of Applied Designs
Course status in the programme	Compulsory/Courses of Limited Choice; Courses of Free Choice
Responsible instructor	Agrita Krieviņa-Siliņa
Volume of the course: parts and credits points	1 part, 3.0 credits
Language of instruction	LV
Annotation	The development of composition of image for using within differant technologies of printing, painting of fabrics, ather materials and object. Providing of the technique and technological enviroment for image processing. Presentation of design oluring stages of processing.
Goals and objectives of the course in terms of competences and skills	Aim: To develop understanding, knowledge, and competence in the creation of applied compositions. Task: To acquire skills to distinguish, to analyze the types of applied composition, their application, techniques, application of materials. To learn methods for developing a work idea. Acquire skills working with Adobe Photoshop and job presentation.
Structure and tasks of independent studies	Practical tasks in topics: Creating and editing layers. Layer styles, correction layers. Layer masking and trimming. Working with text. Paragraph and paragraph texts, editing. Connecting an image and text Brushes and modes. Creating a custom brush. Filling of squares. Increase and decrease image sharpness. Work with Sharpen, Blur and Noise filters. Color correction. Color characterization. Radiant and reflective paints. Color models. Apply filter effects. Image conversion. Use of tools in the development of practical work according to specialization.
Recommended literature	Obligātā/Obligatory: Hume, Robert Fashion and textile design with Photoshop and Illustrator : professional creative practice / Robert Hume. London : Bloomsbury Visual Arts, 2018. 256 lpp. : ilustrācijas ; 27 cm ISBN 9781350108363 N.Godwin, Adobe Photoshop Elements 2022 Complete Guide: The Beginners, Intermediate, and Advanced Users Manual to Mastering Photo Editing, 2021,Kindle Edition, 208 pages, ISBN B09RKTVYN9 https://helpx.adobe.com/photoshop/tutorials.html Papildu/Additional: Lecture materials and handouts. Lecture presentations. Beginner's Guide to Digital Painting in Photoshop 2nd Edition, 2020, Paperback, 288 pages, 978-1909414945 https://helpx.adobe.com/photoshop/tutorials.html J.Williams, Type matters!, 2012, 160 pages, London, ISBN 978-1-8589-4567-5
Course prerequisites	MŠM170 Ornament, Basic skills for working with Adobe Illustrator.

Course contents

Content	Full- and part-time intramural studies		Part time extramural studies	
	Contact Hours	Indep. work	Contact Hours	Indep. work
Types of computer graphics. Basic features of vector and raster graphics. Basic concepts and elements of raster graphics	4	0	0	0
Adobe Photoshop. Program work environment.	4	2	0	0
Masking an image or part of an image. Masking tools. Marking, transformation.	4	4	0	0
Creating and editing layers. Layer styles, correction layers.	4	4	0	0
Layer masking and trimming. Edit an image using Quick Mask overlay.	2	4	0	0
Working with text. Paragraph and paragraph texts, editing.	4	4	0	0
Brushes and modes. Creating a custom brush. Filling of squares.	2	4	0	0
Increase and decrease image sharpness. Work with Sharpen, Blur and Noise filters.	4	4	0	0
Color correction. Foreground and background colors, color selection.	2	4	0	0
Color characterization. Radiant and reflective paints. Color models.	4	4	0	0
Apply filter effects. Image conversion.	2	2	0	0
Use of tools in the development of practical work.	4	4	0	0
Total:	40	40	0	0

Learning outcomes and assessment

Learning outcomes	Assessment methods
Knows the types of computer graphics.	Is able to distinguish and use vector and raster graphics files and convert from one type to another.
Knows and uses the Adobe Photoshop desktop.	Works freely in Adobe Photoshop environment and is able to perform the intended tasks independently.
Can use masking tools, knows how to create, edit, mask and crop layers. Knows layer styles, correction layers. Can use image editing with Quick Mask overlay	Performs work tasks related to layer creation, editing and masking in good quality, independently choosing the most appropriate methods.
Knows color correction tools. Freely uses foreground and background colors, knows radiant and reflective colors. Orients in color patterns.	Performs work tasks related to color correction. Can combine layers from different output sources and recite them.
Knows and orients in different types of text development, their application, knows and distinguishes letter types. Can place text in a composition.	Demonstrates the ability to place text in practical tasks, groups it according to the function.

Evaluation criteria of study results

Criterion	%
Course work: Compliance with the set task	20
Performance quality (practical work skills)	20
Creative contribution (search for one's own way, solutions of ideas)	20
Activity in the semester work: Existence of practical works (in good quality)	40
Total:	100

Study subject structure

Part	CP	Hours			Tests			Tests (free choice)		
		Lectures	Practical	Lab.	Test	Exam	Work	Test	Exam	Work
1.	3.0	1.0	0.0	1.0		*		*		