Course Syllabus

Code - Course Title	**GRA137 - Computer-Aided Visual Design I**
Course Type	I. SEMESTER
Laboratory + Practice	2+1
ECTS	**3.5**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	ÖĞR. GÖR. YÜCEL GÜRSAÇ

Mode of Delivery	This course is conducted exclusively through face-to-face instruction and the production of visuals utilizing computer graphics software.
Place of Delivery	On Campus
Used Educational Platforms	Face-to-face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional programme component for this course.
Recommended Resources	Use appropriate online resources and platforms such as YouTube and Instagram for the practical exercises covered in this course.
Work Placement	Practical exercises are conducted during the course.
Aims of the Course	To help users learn the necessary software for design, production, and organization, and to advance their knowledge and skills to higher levels.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction to the course and digital platform; overview of the software to be used; introduction to the Photoshop interface, menus, toolbars, panels, shortcut keys, and related digital tools.	
Week - 2		Explanation of the functions of drawing and painting tools such as brush and pencil; introduction to digital color systems (RGB, CMYK) and color palettes; saving files in Photoshop, file formats, undo (history), and essential functions of the edit menu.	
Week - 3		Introduction to selection tools and shortcuts; detailed exploration of selection processes using magic wand tools and color modes; explanation of the move tool functions, transparency, opacity, and an introduction to the layer panel and background layers.	
Week - 4		Detailed study of working with layers, creating, deleting, moving, and alternative access methods (layer menu, right-click, etc.); introduction to the type tool, text editing, coloring, font settings (font family, size, letter spacing), and basic deformation options.	
Week - 5		Further exploration of text and fonts, explanation of vector-based text and its differences from bitmap; examination of pixelation through the zoom tool and shortcuts; introduction to preferences settings at a basic level without causing confusion.	

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 6		Detailed study of text and font features for graphic design students; loading new fonts; introduction to layer styles and gradient tools; creating new styles using built-in gradient forms.	
Week - 7		Continuation of text formatting; rasterizing vector fonts into bitmap format; applying selection tools and alternative methods to fill fonts and generated shapes with color, exploring creative applications of these processes.	
Week - 8		Importing images from computer memory or external sources (internet, USB, digital camera, etc.); understanding image dimensions and resolution (PPI, DPI), resizing processes, and the differences between canvas size and image resolution; various saving methods and basic operations using selection tools.	
Week - 9		Opening multiple images simultaneously and merging them using different transfer methods; performing cut, copy, paste, move, deformation, and placement operations to create collage works; introduction to layer masking, explaining the roles of black, white, and gray tones in masking.	
Week - 10		Applying effects (filters) to images for artistic enhancement; explaining the logic of effects (relationship with foreground and background colors); exploring unique filter modes, sliders, and duplication options.	
Week - 11		Continuing with filters and effects; introducing additional tools under the Filter menu; providing a general understanding of creative possibilities without going into excessive detail.	
Week - 12		Examining the Adjustments section under the Image menu to understand image enhancement settings; introducing the Smart Object concept, explaining the differences and transitions between smart and rasterized layers.	
Week - 13		Stylizing images using effects; combining different images to create artistic compositions and developing new techniques for digital artwork.	
Week - 14		Artistic content is produced from past works and visual outputs are taken in digital environment.	

Learning Outcomes

#	Learning Outcome
1	Explains digital printing methods on designs.
2	Applies his/her designs by using digital printmaking items.
3	Presents the artworks appropriately.

Sustainable Development Goals

✓ Quality Education

Course Theme

✓ Media, Design and Creative Arts ✓ Software, Cloud and Blockchain ✓ Innovation Skills

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	2.00	14	28
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	2.00	14	28
Ödevler	0.00	0	0
Proje - Rapor - Sunum Hazırlama	1.00	14	14
Ara Sınav Hazırlığı (sınav süresi dahil)	3.00	1	3
Final Sınavı Hazırlığı (sınav süresi dahil)	3.00	1	3
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	1.00	14	14
Staj Uygulaması	0.00	0	0
		Calculated ECTS	**3.5**

Assessment Method and Passing Requirements

✓ Performance Assessment (Individual/Panel-Based)

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	50
Final Exam	1	50
	Sum (%)	**100**