Course Syllabus

Code - Course Title	**GİT206U -**
Course Type	IV. SEMESTER
Laboratory + Practice	0+0
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. HALİT TURGAY ÜNALAN

Mode of Delivery	Distant education
Prerequisites	There are no prerequisites or co-conditions for this course.
Courses Recomended	It is recommended to take the DIGITAL IMAGING TECHNOLOGIES course.
Recommended Resources	The book of GİT206U DIGITAL IMAGING PROCESSING METHODS is mandatory.
Work Placement	-

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		The Historical Development of Digital Image Processing and Its Areas of Use	
Week - 2		Printed Visual Design Products	
Week - 3		Digital Visual Design Products	
Week - 4		Motion Graphics Production	
Week - 5		Mid-Term Exam Question Solution 1	
Week - 6		Mid-Term Exam Question Solution 2	
Week - 7		Mid-term Exam	
Week - 8		The Use of Digital Image Processing Methods in Artistic Applications	
Week - 9		The Use of In New Media Technologies	
Week - 10		Artificial Intelligence-Supported Data Visualization	
Week - 11		Visual in Digital Image Processing Meaning	
Week - 12		Final Exam Question Solution 1	
Week - 13		Final Exam Question Solution 2	

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Final Exam	

Learning Outcomes

#	Learning Outcome
1	Ability to identify a digital image and ability to explain its characteristics.
2	To be able to explain the emergence of digital image and the history of digital image processing.
3	To be able to explain the areas where digital image processing is widely used.
4	The ability to define printed visual design products, explain their purpose of use and general characteristics.
5	Ability to explain the color and characteristics of printed visual design products.
6	To be able to explain the production process of printed visual design products.
7	To recognize and understand the general features of User Experience Design (UX) and User Interface Design (UI) as a Digital Visual Design Product.
8	To recognize the Digital Visual Design Products that have emerged with the innovations brought by technology.
9	Recognizing Creating Visual Design Products in Social Media Applications and Their General Characteristics.
10	To be able to recognize the Methods of Creating Motion Graphics.
11	Ability to distinguish and sort Motion Graphics Software.
12	To be able to explain the relationship between image processing techniques by defining digital art Decipherments.
13	Ability to define basic design elements Generative art and related to generative art.
14	To be able to define the basic functions of image processing software in artistic genres based on the production of moving images.
15	Ability to distinguish the differences between traditional media and new media.
16	To be able to understand the methods of creating digital images in games.
17	To be able to understand the methods of creating digital images in cinema.
18	Ability to sort data mining processes by defining data and big data.
19	To be able to distinguish the relationship between artificial intelligence, deep learning, and machine learning.
20	Ability to recognize artificial intelligence-based data visualization tools.
21	To be able to explain perception and perception in visual communication.
22	Ability to sort indicators and visual indicators.
23	To be able to explain semiotic thinking and interpretation.
24	To be able to enumerate the ways of making sense of the indicators and to comprehend the analysis.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

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

Assessment Method and Passing Requirements

No content has been provided.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	30
Final Exam	1	70
	Sum (%)	**100**