Course Syllabus

Code - Course Title	**FOT213U -**
Course Type	III. SEMESTER
Laboratory + Practice	0+0
ECTS	**7.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	ASSIST. PROF. DR. GÖKHAN DENİZ DİNÇER

Mode of Delivery	Distance Education
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional programme component for this course.
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Digital Era, History of Digital Photography, Mobile Transformation and History in Digital Photography, History of Digital Video	
Week - 2		Digital Compact Cameras and Features, DSLR and DSLR “Full Frame” Cameras Features, Mirrorless “Mirror-Less (MILC)” Cameras Features, Medium Format Cameras Features	
Week - 3		Digital Conversion in Camcorders, Types of Digital Video Cameras	
Week - 4		Digital Audio and Other Video Equipment	
Week - 5		Computers and Monitors, Scanners and Printers, Color Management and Calibration	
Week - 6		Lights and Filters in Digital Imaging, Storage Solutions and Ancillary Equipment	
Week - 7		Midterm exams	
Week - 8		P-S-A-M Dial in Digital Cameras, Exposure and Ready Scenes Modes in Digital Photography	
Week - 9		Light Metering in Digital Photography, Depth of Field, Focus, Histogram and White Balance Options, Digital Cameras Basic Menus	
Week - 10		Photography Studios, Technical and Physical Properties, Fund Types and Functions in Photography Studios	
Week - 11		Technical Equipment and Equipment Used in Photography Studios, Staff in Studio Photography and Their Functions	
Week - 12		Digital Image and Video Formats, Digital Image/Video Processing Software, Color Management in Digital Photography, Internet and Image File Management	

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 13		Emergence and Historical Development of Smartphone Photography, Artificial Intelligence Image Processing in Smartphone Photography and Use of Artificial Intelligence in Photography, Online Smartphone Photo Sharing Applications and Selfie, Other Common Uses of Digital Photography Today	
Week - 14		Final Exam	

Learning Outcomes

#	Learning Outcome
1	To be able to explain the developments that started the digital age, the historical development of digital photography, the historical development of digital video and the development of smartphones and their impact on photography.
2	To be able to explain digital compact cameras and their types, features of DSLR and DSLR “Full Frame” cameras, Mirrorless camera technologies.
3	Comparing mirrorless camera technologies with DSLR and distinguishing the features of medium format digital cameras.
4	To be able to describe the transition process of video cameras from analog to digital, the working principles of digital video cameras and the technical process of image production, the concept and scope of digital audio and other equipment, the types of digital video cameras, their current technologies and their differences from each other.
5	Explaining the working principles of computers and monitors, using scanners and printers, explaining the logic of color production, recognizing and arranging the calibration processes, distinguishing and arranging materials, and preparing and managing the workflow.
6	Being able to explain modes and their features such as Auto (Auto), Program Mode (P), Shutter Priority (S), Aperture Priority (A), Manual (M) and Bulb Mode (B) in digital cameras, Exposure Triangle, Aperture, Shutter Speed Expressing ISO Speed, Exposure Compensation and Ready Scening Modes, Explaining the concepts of Light Metering, Depth of Field, Focusing, Histogram, White Balance, Customizing Initial Setup Options, Shooting Options and other settings.
7	To be able to explain the basic qualifications and physical features that photography studios should have, the functions of photography studios by listing the types of funds used, the equipment used in photography studios, their functions and the staff working in the studio and their job descriptions.
8	To be able to explain the basic digital image/video formats, the basic functions of image/video processing software, the general features of color management in digital photography and the general features of the management of image files on the Internet.

Sustainable Development Goals

No content has been provided.

Course Theme

✓ Communication Technologies and the IoT ✓ Media, Design and Creative Arts ✓ Software, Cloud and Blockchain

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**