Course Syllabus

Code - Course Title	**OGP106 - Computer Graphics**
Course Type	II. SEMESTER
Laboratory + Practice	2+2
ECTS	**4.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	ÖĞR. GÖR. GÜVENÇ USANMAZ

Mode of Delivery	Face to Face
Prerequisites	There are no prerequisites.
Courses Recomended	It is not available.
Recommended Resources	It will be announced later.
Work Placement	It is not available.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Fundamentals of Computer Graphics and Hardware	
Week - 2		Raster and Vector Graphics	
Week - 3		Color Theory and Color Managementa	
Week - 4		Graphic File Formats and Applications	
Week - 5		Fundamentals of Graphics Programming	
Week - 6		Graphics Programming Tools and Libraries	
Week - 7		2D Graphics Creation and Editing	
Week - 8		3D Graphics Creation and Editing	
Week - 9		Fundamentals of Graphic Animation	
Week - 10		Advanced Graphic Techniques	
Week - 11		Graphics Performance Optimization	
Week - 12		Graphics Debugging and Troubleshooting	
Week - 13		Graphic Design and Aesthetic Principles	
Week - 14		Graphic Project Development Process and Graphic Project Presentations and Evaluation	

Learning Outcomes

#	Learning Outcome
1	Understands the fundamental principles of computer graphics.
2	Creates and edits 2D and 3D graphics.
3	Applies color theory and color management principles in graphics.
4	Understands and uses graphic file formats.
5	Develops interactive graphics applications using graphics programming tools.
6	Creates animated visual content using graphic animation techniques.
7	Analyzes and applies advanced graphical techniques.
8	Optimizes graphics performance and improves debugging skills.
9	Uses graphic design and aesthetic principles in graphic projects.
10	Solves technical challenges in graphic projects and produces creative solutions.

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.