Course Syllabus

Code - Course Title	**DOT301 - 3D Animation Production**
Course Type	V. SEMESTER
Laboratory + Practice	2+2
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Required Courses

Mode of Delivery	The mode of delivery of this course is 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	Homo Ludens, The Art of Game Design, Fundamentals of Game Design, Game Mechanics: Advanced Game Design
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction to 3D animation and basic concepts	
Week - 2		Character rigging and skinning techniques	
Week - 3		Basic walk, run, and jump animations	
Week - 4		Keyframing and timeline usage	
Week - 5		Design of gesture, facial expression, and emotive animations	
Week - 6		Facial animation and emotion conveyance techniques	
Week - 7		Camera use and motion supporting narrative	
Week - 8		Physics-based animation techniques	
Week - 9		Comparison of dynamic and kinematic structures	
Week - 10		Animation integration into game engines	
Week - 11		Animation analysis in terms of playability	
Week - 12		Debugging and improvement processes	
Week - 13		Animation portfolio development	
Week - 14		Project presentation and evaluation	

Learning Outcomes

#	Learning Outcome
1	Plan and apply the character animation production process for games
2	Develop natural animations that reflect expression and movement
3	Create animation structures that can be integrated with game engines
4	Produce technically and aesthetically optimized 3D animations
5	Develop suitable, meaningful, and impactful animation solutions for games

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.