

DERS PROGRAMI

I. SEMESTER

Code	Course Title	Course Type	ECTS
İNG187	English I (ENG)	Required Courses	3.0
MAT847	Mathematics	Required Courses	5.0
OGP103	Programming I	Required Courses	5.0
OGP105	Game Development	Required Courses	6.0
OGP107	Fundamentals of Digital Art and Design	Required Courses	5.0
TAR165	Atatürk's Principles and History of Turkish Revolution I	Required Courses	2.0
TÜR125	Turkish Language I	Required Courses	2.0
	Elective Courses		2.0
Sum			30

II. SEMESTER

Code	Course Title	Course Type	ECTS
İNG188	English II (ENG)	Required Courses	3.0
OGP102	Game Design Principles	Required Courses	5.0
OGP104	Programming II	Required Courses	5.0
OGP106	Computer Graphics	Required Courses	4.0
OGP108	2D Game Development Studio	Required Courses	6.0
TAR166	Atatürk's Principles and History of Turkish Revolution II	Required Courses	2.0
TÜR126	Turkish Language II	Required Courses	2.0
	Area Elective Courses		3.0
Sum			30

III. SEMESTER

Code	Course Title	Course Type	ECTS
OGP201	Interactive Storytelling	Required Courses	4.0
OGP205	3D Game Development Studio	Required Courses	6.0
OGP217	Game Physics	Required Courses	5.0
OGP219	Artificial Intelligence in Games	Required Courses	5.0
	Elective Courses		4.0
	Area Elective Courses		6.0
Sum			30

IV. SEMESTER

Code	Course Title	Course Type	ECTS
OGP204	Final Project	Required Courses	6.0
STJ220	Internship	Required Courses	5.0
	Area Elective Courses		19.0
Sum			30

Elective Courses

Code	Course Title	Laboratory + Practice	ECTS
KÜL199	Cultural Activities (TR)	0 + 2	2.0
KÜL195	Volunteer Work (TR)	1 + 2	4.0

Area Elective Courses

Code	Course Title	Laboratory + Practice	ECTS
OGP116	Text and Scenario Writing (TR)	2 + 1	3.0
OGP118	Animation (TR)	2 + 1	3.0
OGP120	Visual Art Design for Games (TR)	1 + 2	3.0
OGP122	Generative Coding and Algorithmic Design (TR)	1 + 2	3.0
OGP124	Game Engine Technologies (TR)	1 + 2	3.0
OGP221	Gamification (TR)	2 + 1	3.0
OGP223	3D Design (TR)	2 + 1	3.0
OGP225	Lightweight Game Frameworks (TR)	1 + 2	3.0
OGP227	Data Structures and Algorithms in Games (TR)	2 + 1	3.0
OGP229	Game Psychology and Player Experience (TR)	2 + 1	3.0
OGP200	Workplace Vocational Training (TR)	0 + 15	19.0
OGP218	Generative AI Tools in Game Development (TR)	2 + 2	5.0
OGP220	Game Entrepreneurship and Business Plan (TR)	2 + 0	3.0
OGP222	Game Marketing and Distribution (TR)	2 + 1	3.0
OGP224	Virtual and Augmented Reality Applications in Games (TR)	2 + 1	3.0
OGP226	Audio and Music Technologies in Games (TR)	1 + 2	3.0
OGP228	Mobile Game Development (TR)	2 + 2	6.0

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