

AYDIN ADNAN MENDERES UNIVERSITY **COURSE INFORMATION FORM**

Course Title		3D Modelling	Design						
Course Code		BPR191		Couse Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The aim of this develop 3D ec					mputer mo	dels and animatio	ns and to
Course Content	t	inanimate obje models prepar a realistic look graphics are u In most cases can be done b such as a 3D Turkey and ar three-dimension product to be and animation presentations anatomy in the	ect with speci red with the 3 to the 3D rel sually obtain , manual 3D rel y entering ce scanner. For eas in the wo onal model of made. Today world, is eve such as films e medical sec	al programs f D modeling p ndering mode ed by the use modeling can rtain values ? example, MR rld, which is o a structure to , the history c en older than , video game tor. In this co	or 3D mo process all l. In the p be perfor ??into pre ls used ir quite exte b be cons of 3D mod personal s, 3D mo ntext, exa	deling in general re often used sim process of 3D mo by step process med automatica viously made algo hospitals serve nsive 3D modeli tructed model is els, which becor computers. At th dels used in inter	I using com nultaneousl odeling, the ing like scu Ily by the u gorithms or as a kind o ng, manufa also used f ne an indis e beginning rior design ole applicat	model of a living o puter graphics. The y with the tools that data of the compu- lpture and plastic ser. Automated 3E by various scannin of 3D scanner. cturing as it used for the preparation pensable part of the y, we apply for inte- and architecture, a ions and developing	ne 3D at provide uter arts. D modeling ng devices to make of a ne gaming eractive and
Work Placemer	nt	N/A							
Planned Learning Activities and Teaching Method		Methods	Explanation	(Present	ation), Discussio	n, Individua	al Study, Problem	Solving	
Name of Lectur	er(s)								

Name of Lecturer(s)

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	70

Recommended or Required Reading

1 3D Studio Max (Kodlab)

Week	Weekly Detailed Course Contents					
1	Theoretical	Introduction to 3D model and animation in education				
2	Theoretical	3D modeling and animation programs, basics of 3Ds Max program, menus of 3Ds Max program, usage of 3Ds Max tees,				
3	Theoretical	3D modeling bases, explaining the properties of different modeling methods, working with sub- objects				
4	Theoretical	Curve modeling, working with sub-objects of 2D objects				
5	Theoretical	Expansion and collapse, use of Loft command, polygon edges softening				
6	Theoretical	Modeling for motion graphics, using some 2D editors				
7	Theoretical	Modeling for motion graphics, using some 2D editors				
8	Theoretical	Polygon modeling technique, modeling lines, use of regulators, subsections of surface modeling				
9	Intermediate Exam	midterm				
10	Theoretical	Polygon modeling with modeling strip, Introduction to Nurbs modeling, editing of curves and surfaces				
11	Theoretical	Using material bases and usage, adjusting opacity, using transactional overlay and bitmaps				
12	Theoretical	Camera creation and viewing angle adjustment, Lighting bases and stage light settings				
13	Theoretical	Key frame animations, transition animation preparation, repetitive animation creation.				
14	Theoretical	Hierarchies, linking objects and playing a hierarchy and optimizing animation				
15	Theoretical	Animation controls, gripping controllers and using the motion panel				
16	Final Exam	Final Examination				



Workload Calculation

Workioad Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	1	0	5	5
Term Project	1	0	5	5
Midterm Examination	1	5	1	6
Final Examination	1	5	1	6
	50			
	2			

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

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1	They will have the ability to design 2-D character and multi-angle design planning required for 3-D modeling.
2	They will have concept design knowledge that can meet their animation production needs.
3	Will be able to transfer 2D designs to 3D space
4	They will have the ability to conceptualize a design idea.
5	Have an idea about the aesthetic dimension of design
6	To have the necessary drawing techniques and skills during the animation design process
7	To be able to define 3D animation software and materials

Programme Outcomes (Private Security and Protection)

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1	Know the powers of private security
2	Know defense and attack techniques
3	To understand the security measures
4	Establishing Organizational Communication
5	To apply the basic principles of first aid
6	To be able to make threat assessment and risk managemen
7	Learn what the body language is and what needs to be considered to ensure effective communication.
8	Weapon information
9	Knows Environmental Health Management in Disasters
10	Knows the elements of crime
11	Prepare a security plan
12	To have necessary knowledge in the field of criminology
13	To be able to determine employee and employer relations
14	To have information about the types of terrorist attacks and the signs of the attacks
15	Evaluate new approaches in security studies
16	Show effective interventions in social activities
17	Search and rescue in case of emergency, conducting emergency studies, can manage the organization
18	Explain the basic elements of health and the factors affecting it.
19	Know the basic principles of survival

Contribution of Learning Outcomes to Programme Outcomes 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

	L1	L3	L4	L5	L6	L7
P3	3	2	1	1	2	2
P15	1					

