

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title 3D Modelling Design								
Course Code	ode BPR191 C		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 course is to tea develop 3D educational content						omputer mod	dels and animation	ns and to
develop 3D educational content us 3D modeling is the process of dev inanimate object with special prog models prepared with the 3D model a realistic look to the 3D rendering graphics are usually obtained by the line most cases, manual 3D modeling can be done by entering certain vasuch as a 3D scanner. For example Turkey and areas in the world, which three-dimensional model of a structure product to be made. Today, the history and animation world, is even older presentations such as films, video anatomy in the medical sector. In the			al programs D modeling ndering mode ed by the us modeling ca rtain values example, M rld, which is a structure , the history n older thar , video gam ttor. In this o	for 3D mo process al del. In the p er by step n be perfor ??into pre RIs used in quite exte to be cons of 3D mo personal es, 3D mo context, exa	deling in general re often used sin process of 3D m by step process med automatical viously made all n hospitals servensive 3D model tructed model is lels, which becomputers. At the dels used in interest of the serven in the serven size of the serven ser	al using commultaneously odeling, the sing like scul ally by the using or as a kind cling, manufacts also used forme an indispector design application.	puter graphics. The y with the tools that data of the compulpture and plastic aser. Automated 3D by various scanning 3D scanner. Curing as it used to the preparation pensable part of the group was apply for integrand architecture, as	ne 3D at provide uter arts. D modeling ng devices to make of a ne gaming ractive and
Work Placement N/A								
Planned Learning Activities	Planned Learning Activities and Teaching Methods Expl			n (Present	ation), Discussi	on, Individua	al Study, Problem	Solving
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 Cour	se 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						
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		
Total Workload (Hours)						
[Total Workload (Hours) / 25*] = ECTS						
*25 hour workload is accepted as 1 ECTS						

Learn	ing Outcomes
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

Progr	amme Outcomes (Construction Technology)
1	Being able to have professional knowledge and skills as a result of being supported by the application on vocational qualifications gained in secondary education
2	To choose and use building materials
3	Building installations can be done
4	Applying concrete technology
5	Construction of roads
6	To be able to make professional computer applications
7	Technical drawings
8	Making professional drawing
9	Bidding and contracting
10	To be able to organize the site
11	Control and documentation of manufacturing
12	Can make application of building repair and strengthening works
13	To be able to determine soil types and make soil tests
14	Can control water supply and transmission activities
15	Making waste treatment facilities for polluting resources
16	Projecting of construction elements
17	Being able to make a professional project
18	Make land measurements
19	To be able to make professional practices

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

	L1	L2	L4	L5	L7
P1		2	2	2	2
P2		2	2	2	2
P3		2	2	2	2
P4		2	2	2	2
P5	4	2	2	2	2
P6		2	2	2	2
P7	4	2	2	2	2
P8	4	2	2	2	2
P9		2	2	2	2
P10		2	2	2	2
P11		2	2	2	2



P12		2	2	2	2
P13		2	2	2	2
P14		2	2	2	2
P15		2	2	2	2
P16	4	2	2	2	2
P17		2	2	2	2
P18	4	2	2	2	2
P19	4	2	2	2	2

