

108-1 Full Curriculum of Da-Yeh University

Information			
Title	Digital Sculpture	Serial No./ID	0679 / MDI4009
Required/Credit	Optinal /2	Time/Place	(Tue)78 /PX302
Language	Chinese	Grade Type	Number
Lecturer /Full- or Part-time	江家慶 /Full-time	Graduate Class	Graduating Class
School System /Dept /Class, Grade	Bachelor /Bachelor Program for Multimedia Digital Content /Class 1, Grade 4		
Office Hour / Place	(Wed) 12:00~13:20, (Wed) 13:20~14:10, (Thu) 12:00~13:20, (Thu) 13:20~14:10 / PX301		
Lecturer	n.a.		

Introduction

Learning ZBRUSH sculpture model
 Learning BODYPAINT draw maps
 MAYA modeling and integration ZBRUSH

Outline

- 1.ZBRUSH introduction
- 2.ZBRUSH
- 3.BODYPAINT introduction
- 4.BODYPAINT
- 5.MAYA Integration Practice and ZB production

Prerequisite

Computer Animation (1) (2)

The Relationship Between Courses and Departmental Core Competencies and Basic Skills

-  Acquire professional knowledge of multimedia digital content design
-  Acquire the technologies, skills and the capability of using modern tools for practicing multimedia digital content design
-  Acquire the capability of integrating multimedia digital content knowledge and technologies
 - Acquire the capability of finding out, analyzing and solving complex interdisciplinary multimedia design problems
 - Acquire the capability of creative thinking and innovational design
 - Acquire the capability of managing project, communicating each other, respecting different viewpoints and cooperating within the team
 - Realize the industrial issues and understand the effects of multimedia design to industries, social ecology and

economy, and worldwide



Acquire the capability of lifetime learning

Acquire professional working ethics and society responsibility

Teaching Plan

Core Capability	Weight(%) 【A】	Ability index(Performance Indicators)	Teaching Methods	Assessment and Weight	Core Competency Learning Outcomes 【B】	Final Exam Grades 【C=B*A 】
Acquire professional knowledge of multimedia digital content design	25	Cultivate the capability of being familiar with multimedia digital content knowledge Cultivate the capability of being possessed of multimedia digital content professional knowledge, including animation, comic, game design, and so on Cultivate the capability of being possessed of multimedia digital content design quality and accomplishment, including cultural creativity, art, esthetics, and so on Cultivate the capability of realizing multimedia digital content theory	Lecturing Practical Operation (Experiment, Machine Operation	Product Manufacturing: 25% Course Participation: 25% Homework Assignment: 25% Peer Assessment: 25%	Total: 100	25
Acquire the technologies, skills and the capability of using modern tools for practicing multimedia digital content design	25	Cultivate the capability of being possessed of and applying multimedia digital content professional design technologies and skills Cultivate the capability of implementing multimedia digital content system Cultivate the capability of using modern multimedia software and hardware tools	Lecturing Practical Operation (Experiment, Machine Operation	Product Manufacturing: 25% Course Participation: 25% Homework Assignment: 25% Peer Assessment: 25%	Total: 100	25

Acquire the capability of integrating multimedia digital content knowledge and technologies	25	Cultivate the capability of integrating visual communication, information technology and content management knowledge Cultivate the capability of integrating theoretical knowledge and practical technology	Lecturing Practical Operation (Experiment, Machine Operation	Homework Assignment: 25% Course Participation: 25% Product Manufacturing: 25% Peer Assessment: 25%	Total: 100	25
Acquire the capability of lifetime learning	25	Cultivate the capability of lifetime learning by different ways	Lecturing Practical Operation (Experiment, Machine Operation	Homework Assignment: 25% Course Participation: 25% Product Manufacturing: 25% Peer Assessment: 25%	Total: 100	25

Grade Auditing

Homework Assignment: 25%

Course Participation: 25%

Product Manufacturing: 25%

Peer Assessment: 25%

Book Type (Respect intellectual property rights. Please use official textbooks and do not illegally photocopy others' works.)

Book Type	Book name	Author
Textbook	火星課堂的ZB雕刻大師	王愷

Lesson Plan

Weeks	Content	Teaching Methods
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1	ZBrush software operation introduction (brush introduction, mask, display hiding, personalized setting storage, thermal setting, group concept) ZBrush software operation introduction (brush introduction, masking, display hiding, personalized setting storage, thermal setting, group concept) & Intellectual Property Protection (use legitimate textbooks only) & Traffic safety Propaganda	Lecturing、 Practical Operation (Experiment, Machine Operation
2	ZBrush related symmetry function explanation	Lecturing、 Practical Operation (Experiment, Machine Operation
3	Large-scale modeling in ZBrush must be explained by DynaMesh function	Lecturing、 Practical Operation (Experiment, Machine Operation
4	ZBrush modeling follow-up process ZRemesher re-surface, additional engraving details	Lecturing、 Practical Operation (Experiment, Machine Operation
5	ZBrush directly models 01 without Z ball	Lecturing、 Practical Operation (Experiment, Machine Operation
6	ZBrush directly models without the Z ball 02	Lecturing、 Practical Operation (Experiment, Machine Operation
7	Pre-internship	Lecturing、 Practical Operation (Experiment, Machine Operation
8	Mid-term work	Lecturing
9	Red Character Maker 01 (ZBrush)	Lecturing、 Practical Operation (Experiment, Machine Operation
10	Red Character Maker 02 (ZBrush)	Lecturing、 Practical Operation (Experiment, Machine Operation
11	SpongeBob Character Making (ZBrush)	Lecturing、 Practical Operation (Experiment, Machine Operation
12	SpongeBob Character Making (ZBrush)	Lecturing、 Practical Operation (Experiment, Machine Operation
13	SpongeBob Character Making (ZBrush)	Lecturing、 Practical Operation (Experiment, Machine Operation
14	Little soldier role production (ZBrush)	Lecturing、 Practical Operation (Experiment, Machine Operation
15	Little soldier role production (ZBrush)	Lecturing、 Practical Operation (Experiment, Machine Operation
16	Little soldier role production (ZBrush)	Lecturing、 Practical Operation (Experiment, Machine Operation

17	Pre-term self-study	Lecturing、 Practical Operation (Experiment, Machine Operation
18	Final work	Lecturing