

108-1 Full Curriculum of Da-Yeh University

Information			
Title	Particle Effect Practice	Serial No./ID	0675 / MDI4001
Required/Credit	Optinal /2	Time/Place	(Tue)56 /PX302
Language	English	Grade Type	Number
Lecturer /Full- or Part-time	/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	(Mon) 12:00~13:20, (Tue) 12:00~13:20, (Wed) 12:00~13:20, (Thu) 12:00~13:20 / Px301		
Lecturer	n.a.		

Introduction
Strengthening the capacity of synthesis and effects

Outline
1.maya particle 2.nuke 3.realflow 4.smoke

Prerequisite
1.3D MAYA 2.AE

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

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	20	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	Practical Operation (Experiment, Machine Operation Case Study Lecturing Film Appreciation	Course Participation: 10% Homework Assignment: 20% Final Exam: 40% Product Manufacturing: 30%	Total: 100	20
Acquire the technologies, skills and the capability of using modern tools for practicing multimedia digital content design	15	Cultivate the capability of being possessed of and applying multimedia digital content professional design technologies and skills Cultivate the capability of using modern multimedia software and hardware tools Cultivate the capability of implementing multimedia digital content system	Practical Operation (Experiment, Machine Operation Case Study Lecturing Film Appreciation	Course Participation: 10% Homework Assignment: 20% Final Exam: 40% Product Manufacturing: 30%	Total: 100	15

Acquire the capability of integrating multimedia digital content knowledge and technologies	10	Cultivate the capability of integrating theoretical knowledge and practical technology Cultivate the capability of integrating visual communication, information technology and content management knowledge	Lecturing Case Study Practical Operation (Experiment, Machine Operation Film Appreciation	Final Exam: 40% Homework Assignment: 20% Course Participation: 10% Product Manufacturing: 30%	Total: 100	10
Acquire the capability of finding out, analyzing and solving complex interdisciplinary multimedia design problems	10	Cultivate the capability of exploring complex multimedia design problems Cultivate the capability of analyzing and organizing complex multimedia design problems Cultivate the capability of solving and practicing complex multimedia design systems	Lecturing Case Study Practical Operation (Experiment, Machine Operation Film Appreciation	Final Exam: 40% Homework Assignment: 20% Course Participation: 10% Product Manufacturing: 30%	Total: 100	10
Acquire the capability of creative thinking and innovational design	10	Cultivate the capability of creative thinking Cultivate the capability of innovational design	Lecturing Film Appreciation Practical Operation (Experiment, Machine Operation Case Study	Final Exam: 40% Homework Assignment: 20% Product Manufacturing: 30% Course Participation: 10%	Total: 100	10
Acquire the capability of managing project, communicating each other, respecting different viewpoints and cooperating within the team	10	Cultivate the capability of communication, coordination, and team cooperation Cultivate the capability of project planning, execution and management Cultivate the capability of respecting different viewpoints	Lecturing Practical Operation (Experiment, Machine Operation	Course Participation: 10% Homework Assignment: 20% Final Exam: 40% Product Manufacturing: 30%	Total: 100	10

Realize the industrial issues and understand the effects of multimedia design to industries, social ecology and economy, and worldwide	10	Cultivate the capability of understanding the effects of multimedia design to industries, societies, and worldwide Cultivate the capability of realizing the industrial issues of multimedia digital content Cultivate the capability of great foresight and international view Cultivate the capability of solving industry actual problem Cultivate working proficiency in career of multimedia digital content	Lecturing Case Study Practical Operation (Experiment, Machine Operation Film Appreciation	Course Participation: 10% Homework Assignment: 20% Final Exam: 40% Product Manufacturing: 30%	Total: 100	10
Acquire the capability of lifetime learning	10	Cultivate the capability of lifetime learning by different ways	Lecturing Film Appreciation Practical Operation (Experiment, Machine Operation Case Study	Final Exam: 40% Homework Assignment: 20% Course Participation: 10% Product Manufacturing: 30%	Total: 100	10
Acquire professional working ethics and society responsibility	5	Cultivate the accomplishment of being possessed of well human relationship and career ethics Cultivate the accomplishment of being possessed of society responsibility in professional field	Lecturing Case Study Practical Operation (Experiment, Machine Operation Film Appreciation	Final Exam: 40% Course Participation: 10% Homework Assignment: 20% Product Manufacturing: 30%	Total: 100	5

Grade Auditing

Final Exam: 40%

Product Manufacturing: 30%

Homework Assignment: 20%

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

Book Type	Book name	Author
Instructor-compiled	自編講義	本人

Lesson Plan

Weeks	Content	Teaching Methods
1	Familiar with the editing environment & Intellectual Property Protection (use legitimate textbooks only) & Traffic safety Propaganda	Lecturing、 Practical Operation (Experiment, Machine Operation、 Film Appreciation
2	Interface operation	Lecturing、 Case Study、 Practical Operation (Experiment, Machine Operation 、 Film Appreciation
3	Maya Mel Foundation	Lecturing、 Case Study、 Practical Operation (Experiment, Machine Operation 、 Film Appreciation
4	Instancer_1	Lecturing、 Practical Operation (Experiment, Machine Operation、 Film Appreciation
5	Instancer_2	Lecturing、 Case Study、 Practical Operation (Experiment, Machine Operation 、 Film Appreciation
6	Maya Mash_1	Lecturing、 Case Study、 Practical Operation (Experiment, Machine Operation 、 Film Appreciation
7	Maya Mash_2	Lecturing、 Case Study、 Practical Operation (Experiment, Machine Operation 、 Film Appreciation
8	Maya Mash_3	Lecturing、 Practical Operation (Experiment, Machine Operation、 Film Appreciation
9	Handing In Mid-term Assignments	Lecturing、 Case Study、 Practical Operation (Experiment, Machine Operation 、 Film Appreciation

10	Pulldownit_1	Lecturing、 Case Study、 Practical Operation (Experiment, Machine Operation 、 Film Appreciation
11	Pulldownit_2	Lecturing、 Practical Operation (Experiment, Machine Operation、 Film Appreciation
12	Pulldownit_3	Lecturing、 Practical Operation (Experiment, Machine Operation、 Film Appreciation
13	FumeFX_1	Lecturing、 Practical Operation (Experiment, Machine Operation、 Film Appreciation
14	FumeFX_2	Lecturing、 Practical Operation (Experiment, Machine Operation、 Film Appreciation
15	FumeFX_3	Lecturing、 Practical Operation (Experiment, Machine Operation、 Film Appreciation
16	Rendering and composite	Lecturing、 Practical Operation (Experiment, Machine Operation、 Group Work、 Film Appreciation
17	Final project	Lecturing、 Practical Operation (Experiment, Machine Operation、 Film Appreciation、 Special Report
18	Handing In final exam assignments	Lecturing、 Practical Operation (Experiment, Machine Operation、 Film Appreciation、 Special Report