

# 113-1 Full Curriculum of Da-Yeh University

| Information                       |                                                                             |                |                  |
|-----------------------------------|-----------------------------------------------------------------------------|----------------|------------------|
| Title                             | 3D Cultural Creation                                                        | Serial No./ID  | 0284 /MDI4008    |
| Required/Credit                   | Optinal /3                                                                  | Time/Place     | (Fri)567 /H718   |
| 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 2, Grade 4 |                |                  |
| Office Hour / Place               | (Tue) 12:00~13:20, (Wed) 12:00~13:20, (Fri) 12:00~13:20 / H718              |                |                  |
| Lecturer                          | n.a.                                                                        |                |                  |

## Introduction

本課程重點在動漫造型原創設計中，透過鐵線等素材，利用3D佈線原理，結合美國土之塑型或花燈骨架藝術，加以實做立體化。

## Outline

- 1：鋁線與工具運用
- 2：造型設計與三視圖繪製
- 3：比例換算與實做
- 4：美國膚土與灰土運用
- 5：寫實風造型製作
- 6:烤土與打磨
- 7:AB補土運用

## Prerequisite

基礎繪圖能力~

## 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 managing project, communicating each other, respecting different viewpoints and cooperating within the team

 Acquire the capability of lifetime learning。

Acquire the capability of collecting, interpreting and analyzing global multimedia industry trends, and participating in multimedia practical design.

Acquire professional working ethics and society responsibility



Acquire the humanities and arts accomplishment, and the capability of creative thinking and innovative design.

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| Teaching Plan                                                                                                              |                  |                                                                                                                                                                                                                                                                                                        |                                                                                                     |                                                                                                                                 |                                                |                                        |
|----------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------|
| Core Capability                                                                                                            | Weight(%)<br>【A】 | Ability<br>index(Performance<br>Indicators)                                                                                                                                                                                                                                                            | Teaching<br>Methods                                                                                 | Assessment and<br>Weight                                                                                                        | Core<br>Competency Learning<br>Outcomes<br>【B】 | Final<br>Exam<br>Grades<br>【C=B*A<br>】 |
| 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。<br>Cultivate the capability of using modern multimedia software and hardware tools。<br>Cultivate the capability of implementing multimedia digital content system。 | Lecturing<br>Practical<br>Operation<br>(Experiment,<br>Machine<br>Operation                         | Product<br>Manufacturing:<br>25%<br>Course<br>Participation: 25%<br>Homework<br>Assignment: 25%<br>Record on<br>Experiment: 25% | Total: 100                                     | 25                                     |
| Acquire the capability of integrating multimedia digital content knowledge and technologies                                | 25               | Cultivate the capability of integrating theoretical knowledge and practical technology。<br>Cultivate the capability of integrating visual communication, information technology and content management knowledge。                                                                                      | Lecturing<br>Practical<br>Operation<br>(Experiment,<br>Machine<br>Operation                         | Product<br>Manufacturing:<br>25%<br>Course<br>Participation: 25%<br>Homework<br>Assignment: 25%<br>Record on<br>Experiment: 25% | Total: 100                                     | 25                                     |
| Acquire the humanities and arts accomplishment, and the capability of creative thinking and innovative design              | 25               | Cultivate the humanities and arts accomplishment。<br>Cultivate the capability of creative thinking。<br>Cultivate the capability of innovative design。                                                                                                                                                  | Lecturing<br>Practical<br>Operation<br>(Experiment,<br>Machine<br>Operation<br>Film<br>Appreciation | Homework<br>Assignment: 25%<br>Course<br>Participation: 25%<br>Product<br>Manufacturing:<br>25%<br>Record on<br>Experiment: 25% | Total: 100                                     | 25                                     |

|                                             |    |                                                                  |           |                                                                                                                  |            |    |
|---------------------------------------------|----|------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------|------------|----|
| Acquire the capability of lifetime learning | 25 | Cultivate the capability of lifetime learning by different ways。 | Lecturing | Homework Assignment: 25%<br>Course Participation: 25%<br>Product Manufacturing: 25%<br>Record on Experiment: 25% | Total: 100 | 25 |
|---------------------------------------------|----|------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------|------------|----|

### Grade Auditing

Homework Assignment: 25%

Course Participation: 25%

Product Manufacturing: 25%

Record on Experiment: 25%

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

| Book Type | Book name             | Author |
|-----------|-----------------------|--------|
| Textbook  | 日本進口 美少女公仔製作圖解工具書 中文版 | 柚野香織   |

### Lesson Plan

| Weeks | Content                                                                                                                                                               | Teaching Methods                                              |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| 1     | Material Introduction Course to. & Intellectual Property Protection (use legitimate textbooks only) & Traffic safety Propaganda & Gender equality education promotion | Lecturing、 Practical Operation (Experiment, Machine Operation |
| 2     | Material Introduction Course to.                                                                                                                                      | Lecturing、 Practical Operation (Experiment, Machine Operation |
| 3     | Skeleton preparation of model. Prototype production                                                                                                                   | Lecturing、 Practical Operation (Experiment, Machine Operation |
| 4     | Prototype production. Oven thermosetting lectures and demonstrations                                                                                                  | Lecturing、 Practical Operation (Experiment, Machine Operation |
| 5     | Face sculpture detail                                                                                                                                                 | Lecturing、 Practical Operation (Experiment, Machine Operation |
| 6     | Secondary hardening heat into the oven. Thermosetting demonstration                                                                                                   | Lecturing、 Practical Operation (Experiment, Machine Operation |

|    |                                                                   |                                                                                                                                              |
|----|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 7  | Body shape production                                             | Lecturing、 Practical Operation<br>(Experiment, Machine Operation                                                                             |
| 8  | The overall shape ready. Into the oven thermosetting              | Lecturing、 Practical Operation<br>(Experiment, Machine Operation                                                                             |
| 9  | View works progress & Role 3 View. Interim Results                | Lecturing、 Practical Operation<br>(Experiment, Machine Operation                                                                             |
| 10 | Does not meet the progress of the students continue to strengthen | Lecturing、 Practical Operation<br>(Experiment, Machine Operation                                                                             |
| 11 | After the completion of the overall shape. Sanding operations.    | Lecturing、 Practical Operation<br>(Experiment, Machine Operation                                                                             |
| 12 | After the completion of polishing spray paint. Now explain how    | Lecturing、 Practical Operation<br>(Experiment, Machine Operation                                                                             |
| 13 | Shanghao primer. Began production details (AB Soil demonstration) | Lecturing、 Practical Operation<br>(Experiment, Machine Operation                                                                             |
| 14 | Production details                                                | Lecturing、 Practical Operation<br>(Experiment, Machine Operation                                                                             |
| 15 | Final grinding.                                                   | Lecturing、 Practical Operation<br>(Experiment, Machine Operation                                                                             |
| 16 | Color demonstration. Acrylic. Colour of model paint. Airbrush     | Lecturing、 Practical Operation<br>(Experiment, Machine Operation                                                                             |
| 17 | final assignment & Flexible Teaching/Learning                     | Flexible Teaching - Independent Action、<br>Flexible Teaching - Communication and<br>Interaction、 Flexible Teaching - Social<br>Participation |
| 18 | final assignment & Flexible Teaching/Learning                     | Flexible Teaching - Independent Action、<br>Flexible Teaching - Communication and<br>Interaction、 Flexible Teaching - Social<br>Participation |