

## 108-2 Full Curriculum of Da-Yeh University

| Information                       |                                                                                   |                |                      |
|-----------------------------------|-----------------------------------------------------------------------------------|----------------|----------------------|
| Title                             | Web Design and Application                                                        | Serial No./ID  | 0696 / MDI2006       |
| Required/Credit                   | Optinal /2                                                                        | Time/Place     | (Mon)56 /PX304       |
| Language                          | Chinese                                                                           | Grade Type     | Number               |
| Lecturer /Full- or Part-time      | Lingling Huang /Full-time                                                         | Graduate Class | Non-graduating Class |
| School System /Dept /Class, Grade | Bachelor /Bachelor Program for Multimedia Digital Content /Class 2, Grade 1       |                |                      |
| Office Hour / Place               | (Mon) 10:10~11:00, (Mon) 11:10~12:00, (Mon) 15:20~16:10, (Wed) 09:10~10:00 / H429 |                |                      |
| Lecturer                          | n.a.                                                                              |                |                      |

### Introduction

This course introduces basic web design concepts by using Adobe Dreamweaver.

### Outline

1. Set up Dreamweaver CS6 and use its design and layout tools
2. Create, publish, and maintain websites
3. Add text, images, and multimedia to your pages
4. Build CSS-based websites to create consistent, standards-based page designs
5. Use modern web design techniques including CSS3 transitions and fluid grids
6. Design HTML5 web pages optimized for mobile devices
7. Add web fonts for more visually exciting text

### Prerequisite

none

### 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

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| Teaching Plan                                                                                                              |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                 |                                                                                                                   |                                                |                                        |
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| 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 professional knowledge of multimedia digital content design                                                        | 20               | Cultivate the capability of being familiar with multimedia digital content knowledge<br>Cultivate the capability of being possessed of multimedia digital content professional knowledge, including animation, comic, game design, and so on<br>Cultivate the capability of being possessed of multimedia digital content design quality and accomplishment, including cultural creativity, art, esthetics, and so on<br>Cultivate the capability of realizing multimedia digital content theory | Lecturing<br>Practical Operation (Experiment, Machine Operation | Course<br>Participation: 10%<br>Homework<br>Assignment: 40%<br>Midterm Exam: 25%<br>Product<br>Manufacturing: 25% | Total: 100                                     | 20                                     |
| Acquire the technologies, skills and the capability of using modern tools for practicing multimedia digital content design | 20               | 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 Operation (Experiment, Machine Operation | Course<br>Participation: 10%<br>Homework<br>Assignment: 40%<br>Midterm Exam: 25%<br>Product<br>Manufacturing: 25% | Total: 100                                     | 20                                     |

|                                                                                                                                       |    |                                                                                                                                                                                                                                                             |                                                                               |                                                                                                                   |            |    |
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| Acquire the capability of integrating multimedia digital content knowledge and technologies                                           | 20 | 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 Operation (Experiment, Machine Operation Case Study    | Midterm Exam: 25%<br>Homework<br>Assignment: 40%<br>Course<br>Participation: 10%<br>Product<br>Manufacturing: 25% | Total: 100 | 20 |
| Acquire the capability of finding out, analyzing and solving complex interdisciplinary multimedia design problems                     | 10 | Cultivate the capability of exploring complex multimedia design problems<br>Cultivate the capability of analyzing and organizing complex multimedia design problems<br>Cultivate the capability of solving and practicing complex multimedia design systems | Case Study<br>Lecturing<br>Practical Operation (Experiment, Machine Operation | Midterm Exam: 25%<br>Homework<br>Assignment: 40%<br>Course<br>Participation: 10%<br>Product<br>Manufacturing: 25% | Total: 100 | 10 |
| Acquire the capability of creative thinking and innovational design                                                                   | 10 | Cultivate the capability of creative thinking<br>Cultivate the capability of innovational design                                                                                                                                                            | Lecturing<br>Case Study<br>Practical Operation (Experiment, Machine Operation | Midterm Exam: 25%<br>Homework<br>Assignment: 40%<br>Product<br>Manufacturing: 25%<br>Course<br>Participation: 10% | Total: 100 | 10 |
| Acquire the capability of managing project, communicating each other, respecting different viewpoints and cooperating within the team | 5  | Cultivate the capability of communication, coordination, and team cooperation<br>Cultivate the capability of project planning, execution and management<br>Cultivate the capability of respecting different viewpoints                                      | Practical Operation (Experiment, Machine Operation<br>Lecturing               | Course<br>Participation: 10%<br>Homework<br>Assignment: 40%<br>Midterm Exam: 25%<br>Product<br>Manufacturing: 25% | Total: 100 | 5  |

|                                                                                                                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                  |                                                                                                                   |            |   |
|----------------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------|---|
| Realize the industrial issues and understand the effects of multimedia design to industries, social ecology and economy, and worldwide | 5 | Cultivate the capability of understanding the effects of multimedia design to industries, societies, and worldwide<br>Cultivate the capability of realizing the industrial issues of multimedia digital content<br>Cultivate the capability of great foresight and international view<br>Cultivate the capability of solving industry actual problem<br>Cultivate working proficiency in career of multimedia digital content | Case Study<br>Lecturing<br>Practical<br>Operation (Experiment, Machine Operation | Course<br>Participation: 10%<br>Homework<br>Assignment: 40%<br>Midterm Exam: 25%<br>Product<br>Manufacturing: 25% | Total: 100 | 5 |
| Acquire the capability of lifetime learning                                                                                            | 5 | Cultivate the capability of lifetime learning by different ways                                                                                                                                                                                                                                                                                                                                                               | Lecturing<br>Practical<br>Operation (Experiment, Machine Operation               | Midterm Exam: 25%<br>Homework<br>Assignment: 40%<br>Course<br>Participation: 10%<br>Product<br>Manufacturing: 25% | Total: 100 | 5 |
| Acquire professional working ethics and society responsibility                                                                         | 5 | Cultivate the accomplishment of being possessed of well human relationship and career ethics<br>Cultivate the accomplishment of being possessed of society responsibility in professional field                                                                                                                                                                                                                               | Lecturing<br>Case Study<br>Practical<br>Operation (Experiment, Machine Operation | Midterm Exam: 25%<br>Course<br>Participation: 10%<br>Homework<br>Assignment: 40%<br>Product<br>Manufacturing: 25% | Total: 100 | 5 |

### Grade Auditing

Homework Assignment: 40%

Midterm Exam: 25%

Product Manufacturing: 25%

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

| Book Type       | Book name                                                       | Author       |
|-----------------|-----------------------------------------------------------------|--------------|
| Reference Books | Dreamweaver CC網頁製作比你想象的簡單--HTML5、CSS3、jQuery、Facebook、行動網站 全面應用 | 文淵閣工作室編著     |
| Reference Books | 跟Adobe徹底研究Dreamweaver CC                                        | Jim. Maivald |

## Lesson Plan

| Weeks | Content                                                                                                      | Teaching Methods                                                          |
|-------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 1     | Dreamweaver簡介、開始規劃網站、網站檔案發佈與維護 & 智財權宣導(含告知學生應使用正版教科書) & 交通安全宣導 & Traffic safety Propaganda safety Propaganda | Lecturing、 Case Study、 Practical Operation (Experiment, Machine Operation |
| 2     | Navigate Dreamweaver                                                                                         | Lecturing、 Practical Operation (Experiment, Machine Operation             |
| 3     | Format text using HTML tags                                                                                  | Lecturing、 Practical Operation (Experiment, Machine Operation             |
| 4     | Add text, images, and multimedia to your pages                                                               | Lecturing、 Practical Operation (Experiment, Machine Operation             |
| 5     | Build CSS-based websites to create consistent, standards-based page designs                                  | Lecturing、 Practical Operation (Experiment, Machine Operation             |
| 6     | Quiz1                                                                                                        | Lecturing、 Practical Operation (Experiment, Machine Operation             |
| 7     | Build CSS-based websites to create consistent, standards-based page designs                                  | Lecturing、 Practical Operation (Experiment, Machine Operation             |
| 8     | Design HTML5 web pages optimized for mobile devices                                                          | Lecturing、 Practical Operation (Experiment, Machine Operation             |
| 9     | Design HTML5 web pages optimized for mobile devices                                                          | Practical Operation (Experiment, Machine Operation                        |
| 10    | Use modern user interface elements with jQuery UI widgets and CSS3 effects                                   | Lecturing、 Practical Operation (Experiment, Machine Operation             |
| 11    | Use modern user interface elements with jQuery UI widgets and CSS3 effects                                   | Lecturing、 Practical Operation (Experiment, Machine Operation             |

|    |                                        |                                                                              |
|----|----------------------------------------|------------------------------------------------------------------------------|
| 12 | Quiz2                                  | Lecturing、 Case Study、 Practical<br>Operation (Experiment, Machine Operation |
| 13 | Adding forms to web pages              | Lecturing、 Practical Operation<br>(Experiment, Machine Operation             |
| 14 | FormAdding forms to web pages          | Lecturing、 Case Study、 Practical<br>Operation (Experiment, Machine Operation |
| 15 | Student Presentation                   | Lecturing、 Case Study、 Practical<br>Operation (Experiment, Machine Operation |
| 16 | Create, publish, and maintain websites | Lecturing、 Case Study、 Practical<br>Operation (Experiment, Machine Operation |
| 17 | ACA Certificate                        | Lecturing、 Case Study、 Practical<br>Operation (Experiment, Machine Operation |
| 18 | Final Exam                             | Practical Operation (Experiment, Machine<br>Operation、 Special Report        |