114-1 Full Curriculum of Da-Yeh University

Information			
Title	Introduction to Programming	Serial No./ID	0319 /MDI2001
Required/Credit	Required /3	Time/Place	(Fri)234 /H615
Language	Chinese/English	Grade Type	Number
Lecturer /Full- or Part-time	Lingling Huang /Full-time	Graduate Class	Non-graduating Class
School System /Dept /Class, Grade	/Bachelor Program for Multimedia Digital Content /Class 2, Grade 2		
Office Hour / Place	(Mon) 12:00~13:20, (Mon) 13:20~14:10, (Mon) 14:20~15:10, (Fri) 12:00~13:20 / H429??PX301		
Lecturer	n.a.		

Introduction

This course introduces web technologies (including HTML, CSS, and JavaScript) and web application examples to help students understand programming and develop their skills in programming and web design. As web technology evolves rapidly, this course will incorporate new web development techniques and AI tools. It is hoped that this course will equip students with practical web development skills, enabling them to pursue careers in this field.

Outline

1. Web Server Setup
2. Web Development Tools
3. HTML Basics
4. CSS Typography
5. JavaScript Web Effects
6. Bootstrap Framework
7. Application of AI Tools

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 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。

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	30	Cultivate the capability of being familiar with multimedia digital content knowledge。 Cultivate the capability of realizing multimedia digital content theory。 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。	Lecturing Case Study Practical Operation (Experiment, Machine Operation	Midterm Exam: 20% Quiz: 10% Homework Assignment: 40% Course Participation: 10% Product Manufacturing: 20%	Total: 100	30
Acquire the technologies, skills and the capability of using modern tools for practicing multimedia digital content design	25	Cultivate the capability of using modern multimedia software and hardware tools。 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。	Lecturing Case Study Practical Operation (Experiment, Machine Operation	Quiz: 10% Midterm Exam: 20% Homework Assignment: 40% Course Participation: 10% Product Manufacturing: 20%	Total: 100	25

Acquire the capability of integrating multimedia digital content knowledge and technologies	20	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 Student Presentation Practical Operation (Experiment, Machine Operation	Midterm Exam: 20% Quiz: 10% Homework Assignment: 40% Product Manufacturing: 20% Course Participation: 10%	Total: 100	20
Acquire the humanities and arts accomplishment, and the capability of creative thinking and innovative design。	5	Cultivate the humanities and arts accomplishment。 Cultivate the capability of creative thinking。 Cultivate the capability of innovative design。	Lecturing Case Study Practical Operation (Experiment, Machine Operation	Quiz: 10% Midterm Exam: 20% Homework Assignment: 40% Course Participation: 10% Product Manufacturing: 20%	Total: 100	5
Acquire the capability of lifetime learning。	20	Cultivate the capability of lifetime learning by different ways。	Case Study Lecturing Practical Operation (Experiment, Machine Operation	Quiz: 10% Midterm Exam: 20% Course Participation: 10% Homework Assignment: 40% Product Manufacturing: 20%	Total: 100	20

Grade Auditing

Homework Assignment: 40%
Midterm Exam: 20%
Product Manufacturing: 20%
Course Participation: 10%
Quiz: 10%

Book Type (Respect intellectual property rights. Please use official textbooks and do not illegally photocopy others' works.)		
Book Type	Book name	Author
Reference Books	W3Schools (https://www.w3schools.com)	Refsnes Data
Reference Books	跟著實務學習HTML、CSS、JavaScript、Bootstrap、JQuery、JQueryMobile網頁設計	蔡文龍, 歐志信, 曾芷琳, 蔡捷雲
Reference Books	網頁設計完全攻略HTML、CSS、JavaScript、Bootstrap、jQuery、Vue.js、RWD｜搭配ChatGPT效率加倍	陳惠貞

Lesson Plan		
Weeks	Content	Teaching Methods
1	Web Server Configuration & Intellectual Property Protection (use legitimate textbooks only) & Traffic safety Propaganda & Gender equality education promotion	Lecturing、 Practical Operation (Experiment, Machine Operation
2	HTML	Lecturing、 Practical Operation (Experiment, Machine Operation
3	HTML	Lecturing、 Practical Operation (Experiment, Machine Operation
4	CSS	Lecturing、 Practical Operation (Experiment, Machine Operation
5	CSS	Lecturing、 Practical Operation (Experiment, Machine Operation
6	CSS	Lecturing、 Practical Operation (Experiment, Machine Operation
7	RWD	Lecturing、 Case Study、 Practical Operation (Experiment, Machine Operation
8	RWD	Lecturing、 Case Study、 Practical Operation (Experiment, Machine Operation
9	Midterm Exam	Practical Operation (Experiment, Machine Operation
10	JavaScript	Lecturing、 Practical Operation (Experiment, Machine Operation
11	JavaScript	Lecturing、 Practical Operation (Experiment, Machine Operation

12	jQuery	Lecturing、 Practical Operation (Experiment, Machine Operation
13	Web Design Effects	Lecturing、 Practical Operation (Experiment, Machine Operation
14	Bootstrap	Lecturing、 Case Study、 Practical Operation (Experiment, Machine Operation
15	Term Project using Bootstrap	Lecturing、 Case Study、 Practical Operation (Experiment, Machine Operation
16	Term Project using Bootstrap	Practical Operation (Experiment, Machine Operation、 Student Presentation
17	Selected Topics on Web Programming & Flexible Teaching/Learning	Flexible Teaching - Independent Action
18	Selected Topics on Web Programming & Flexible Teaching/Learning	Flexible Teaching - Independent Action