

Capital University of Economics and Business

Overseas Chinese College

Course Syllabus

<u>Year and Semester</u>	2023 Spring
<u>Course Name</u>	Web Design and Programming
<u>Course Code</u>	MIS205
<u>Course Type</u>	<input type="checkbox"/> General Education (Required) <input type="checkbox"/> General Education (Elective) <input checked="" type="checkbox"/> Professional Course (Required) <input type="checkbox"/> Professional Course (Elective) <input type="checkbox"/> Basic Disciplinary Course
<u>Course Credits</u>	4
<u>Course Hours</u>	64
<u>Prerequisites</u>	None
<u>Instructor</u>	Jingning Li (Jing), Xin Zhang (Helen)
<u>Contact Information</u>	Office: C217 Tele: (010)83951082 Email: lijingning@cueb.edu.cn; zhangxin@cueb.edu.cn
<u>Office Hour</u>	Jing: M: 9:55-11:30, 13:30-15:05; Th: 9:55-11:30 Helen: M: 9:45-12:00; T: 10:30-12:00, 15:15-16:00
<u>Learning Centre</u>	Jing: T: 18:00-20:00 (online); Th: 13:30-15:05 Helen: W: 18:00-19:30 (online); F: 13:30-15:00
<u>Grade/Section</u>	2021IT&2021CFA
<u>Course Time/Place</u>	2021IT: MW: 8:00-9:35 (B208) 2021CFA: TF: 9:55-11:30 (B211)

Textbook

Jon Duckett. *Beginning HTML, XHTML, CSS, and JavaScript*. Wiley Publishing, Inc., Indianapolis, Indiana, ISBN 978-0-470-54070-1.

Reference Book

1. W Jason Gilmore. *Beginning PHP and MySQL, 4th Edition*. Apress, ISBN 978-1-4302-3114-1.

Course Description

This course covers the fundamentals of HTML, CSS, JavaScript, and PHP, and shows how to control the structure of a web pages using XHTML, how to style it using CSS, and how to add interactivity using JavaScript and PHP, which is an alternative to HTML and a language for creating web pages with standardized tags which allow users to describe not only the data itself, but also metadata, i.e. information about the structure and organization of data on a web page.

Student Learning Objectives

After completing this course, students will be able to:

Knowledge

- Understand HTML, CSS, JavaScript, and PHP codes

- Understand the steps to design a website.

Capability

- Apply web programming language to create a website involving multiple functions
- Apply database to work with a website's back side and front side
- Design and test each function from the website

Value

- Develop the quality and morals of being objective, integrity and dedication.
- Be logical, ethical, methodical, consistent and accurate
- Apply critical thinking in the process of decision making

Website Source

1. W3Schools: <http://www.w3schools.com> (in English)
<http://www.w3school.com.cn/> (in Chinese)

Teaching Methods

This course consists of lectures, lab practice, group discussions, study groups, hands-on projects with report and videos, and group presentation. Students must be prepared to finish some small questions and small quiz about the assigned chapters during the class and the lab class.

Grade Criterion

Component	Weight	Description
Final Exam	20%	A cumulative final examination will be given based on all of the contents of the class. The exam paper may be composed of multiple-choice questions, short answer questions, essay questions, problems, and preparation of financial statements. Students should rely primarily on homework assignments to give them a sense of what they may see for material on exams.
Mid-Term Test	20%	A cumulative midterm test will be given based on all of the contents that have been taught in class. The test paper may be mainly composed of multiple-choice questions and it should be completed within 15 minutes in class.
Homework	15%	Most of the assigned homework is taken from the Exercises in the textbook. Assignments will be collected at the clearly stated date. Late assignments will not be accepted. The graded assignments will be kept by the tutor for reference and won't be returned to students.
Quizzes	15%	There will be at least 2 quizzes during the semester. Quizzes may or may not be announced in advance. It may also be used as a way to check the attendance. Quizzes will test your knowledge of both concepts and the application of those concepts.
Presentation	10%	The students will be divided into several groups to prepare a presentation. Each student is required to be involved in the presentation. The topics can be selected from the textbook or lectures. Each group need to finish a PPT related to the topic which is given and hand in the related resources to the teacher before the presentation.

Participation	10%	Individuals will be asked to participate individually in a question and answer at least 5 times during the semester. The performances should be counted in their participation.
Attendance	10%	Refer to attendance policy listed below
Total	100%	

Detailed Grade Computation

	Before Midterm	After Midterm
Attendance	5	5%
Participation	5	5%
Homework	5	10%
Quizzes	5	10%
Presentation		10%
Midterm test	20% (5% of critical thinking)	
Final exam		20% (5% of critical thinking)
Total	40	60%

Grading Policy

A+ 97-100	A 93-96	A- 90-92	B+ 87-89	B 83-86	B- 80-82
C+ 75-79	C 70-74	C- 67-69	D+ 63-66	D 62-60	F 0- 59

Exam Schedule

Midterm Test: April 10th - 16th, 2023;

Final Exam: June 5th - 9th, 2023

Assessment of Student Performance

☞ Self-Study and Reading ability Practice

Instructor will give out the chapters or the reference books to read and use class hours to have discussion; students should be able to show a proactive attitude and ability for self-study and reading. Knowledge and oral English will be elements of homework or presentation score.

☞ Homework

Students should finish their homework by themselves. Copying from others will be treated as cheating and the homework scores will be lowered. Students should hand in all assignments on time. Late assignments will be accepted at the discretion of the instructor (i.e., when the student was ill or had an excused absence). Late assignments without reasonable proof will be reduced in score by 50%.

Assignment should be printed out. Anything that cannot be read will be marked wrong. Printing requirements are as followed: single space between lines, double space between paragraphs, font size is 12 (maximum). Grammar error can reduce 20% of your score.

☞ Attendance

Because the course covers a great deal of material, attending every class session is very important for performing well.

- ◆ Being late for 15 minutes or more is considered an absence.

- ♦ Five hours or above of unexcused absences will result in the lower level of the final grade by one grade band (e.g. from C – to D +). Any excused absence must be discussed directly with the teacher.
- ♦ Absence which is more than 1/3 of the total teaching hours will cause an F (a failing grade) directly. but students are welcome to continue attending classes.
- ♦ An incomplete grade (I) will be considered in case of medical or family emergencies.

☞ *Participation*

- ♦ Students should participate in classes actively. Half of participation grade is determined by their presentation in class. They are encouraged to ask questions relevant to the subject and express their own opinions. Every student should respect the ideas, opinions, and questions of their classmates.
- ♦ Students should also use office hours to ask questions or talk with the instructor for good communication and effective learning.
- ♦ Frequent visiting the instructor and chatting in English during office hours is highly recommended.
- ♦ Any misbehavior and non-class related activities in class will result in the lower level of the participation grade, including ringing cell phones.
- ♦ All above behaviors will be solely evaluated by the instructor for scoring.

☞ *Textbook*

Students must bring the textbook to class.

Topical Course Outline

Week	Topics	Homework
1	<ul style="list-style-type: none"> • Syllabus • Structuring Documents for the Web – Part 1 • Assignment 1 Start – Find a real company (Chapter 1) 	<ul style="list-style-type: none"> • Review Ch1
	<ul style="list-style-type: none"> • Structuring Documents for the Web – Part 2 • Practice on Structuring Documents for the Web (Chapter 1) 	<ul style="list-style-type: none"> • Preview Ch2 • Install NotePad++ • Finish the homepage (heading, paragraph, font style, hr and list)
2	<ul style="list-style-type: none"> • Links and Navigation • Practice on Links and Navigation • Assignment 1 Continue – Submit the real company details (Chapter 2) 	<ul style="list-style-type: none"> • Review Ch2 • Finish the linked website (webpage links, anchor - current webpage links, external links)
	<ul style="list-style-type: none"> • Check website on Links and Navigation • Assignment 1 Continue – Start to interview the company, and submit the interview audio or video with the interview report - softcopy (Chapter 2) 	<ul style="list-style-type: none"> • Preview Ch3 • Finish the linked website (internal links - directory, email links)
3	<ul style="list-style-type: none"> • Images, Audio, and Video • Practice on Images, Audio, and Video • Assignment 1 Continue – Continue interviewing the company, and submit the interview audio or video with the interview report - softcopy (Chapter 3) 	<ul style="list-style-type: none"> • Review Ch3 & Preview Ch4 • Finish the image map, video and audio webpage, images
	<ul style="list-style-type: none"> • Tables – Part 1 • Homework on Tables (Chapter 4) 	<ul style="list-style-type: none"> • Review Ch3、Ch4 • Finish the tables webpage

4	<ul style="list-style-type: none"> • Tables – Part 2 • Assignment 1 Continue - Submit the interview audio or video with the interview report (Chapter 4) 	<ul style="list-style-type: none"> • Review Ch4 • Finish table layout
	<ul style="list-style-type: none"> • Practice on Tables • Assignment 1 Continue – Start to design the company website, and write the design report <p>Requirements: Write the report with Chapter 1 (Introduction: company background) and Chapter 2 (Design: web design, directory, navigation, e-r diagram, function flow diagram and so on), and print it out. The report should include the cover page, font style is Times New Roman, font size is 12, and more than 5 pages. (Chapter 4)</p>	<ul style="list-style-type: none"> • Preview Ch5 • Finish the register & login webpages and make sure the interface is tidy (using tables)
5	<ul style="list-style-type: none"> • Mini-Quiz on Tables & Forms • Assignment 1 Continue – Continue designing the company website, and writing the design report (Chapter 5) 	<ul style="list-style-type: none"> • Review Ch4 & Ch5 • Finish the Calculator webpage
	<ul style="list-style-type: none"> • Frames • Practice on Frames with Forms • Assignment 1 Continue - Continue designing the company website, and writing the design report (Chapter 5 & 6) 	<ul style="list-style-type: none"> • Review Ch5 & Ch6 & Preview Ch11-13 • Change the website layout from using table into frame
6	<p>Qing Ming Festival</p> <ul style="list-style-type: none"> • Learning JavaScript • Practice on JavaScript – Add (using textbox) <ul style="list-style-type: none"> ○ Show up the results: <ul style="list-style-type: none"> ▪ On current webpage ▪ On the popup window ▪ On the textbox (disabled) ○ Check user input: <ul style="list-style-type: none"> ▪ Enter sth or not ▪ Whether number or not: isNaN(i) ○ Show up the warning: <ul style="list-style-type: none"> ▪ On the popup window ▪ On the current webpage <p>(Chapter 11-13)</p>	<ul style="list-style-type: none"> • Review Ch11-13 • Change Add into divide counting: 0 case
	<ul style="list-style-type: none"> • Learning JavaScript • Practice on JavaScript – Add (using button) (Chapter 11-13) 	<ul style="list-style-type: none"> • Improve the calculator webpage
7	<p>Midterm Test</p>	<p>_____</p>
	<ul style="list-style-type: none"> • Show up Midterm Test Answers • Continue Working with JavaScript • Practice on Login webpage: <ul style="list-style-type: none"> ○ Check user input: enter or not; passwords are correct or not ○ Show up the warnings (on the popup window; current webpage) • Assignment 1 Continue – Submit the company website’s design report (Chapter 11-13) 	<ul style="list-style-type: none"> • Review Ch1-6 & Ch11-13 for Mid-term Exam • Improve the Register webpage (check enter or not, passwords are same or not, email or not → show up warning: on the popup window; current webpage)
8	<ul style="list-style-type: none"> • Continue Working with JavaScript (Login & Register) 	<ul style="list-style-type: none"> • Review Ch1-6 &

	<ul style="list-style-type: none"> Practice on Login webpage: <ul style="list-style-type: none"> Show up the login's user name: <ul style="list-style-type: none"> On the welcome webpage: (Get/Post) On the welcome webpage: Cookie Assignment 1 Continue – Start to build the company website depending on the Design report (Chapter 11-13) 	Ch11-13 for Mid-term Exam
	<ul style="list-style-type: none"> CSS Assignment 1 Continue – Continue building the company website depending on the Design report (Chapter 7 & 8) 	<ul style="list-style-type: none"> Review Ch7-8 Finish the tables with different colors (rows, columns, cells) using CSS: current webpage
9	<ul style="list-style-type: none"> Practice on CSS (Chapter 7 & 8) Page Layout (self-study) Design Issues (self-study) Putting Your Site on the Web (self-study) (Chapter 9 & 10) 	<ul style="list-style-type: none"> Review Ch7-8 Setup the whole webpage's heading and paragraph font style: .css file
	<ul style="list-style-type: none"> PHP Practice on PHP (show up Hello, and today's date) Assignment 1 Continue – Continue building the company website depending on the Design report (Chapter 14) 	<ul style="list-style-type: none"> Review Ch14 Setup WampServer on PC Simple PHP webpage (Hello PHP) PHP webpage includes current date, \$_POST & \$_GET The different among \$_POST, \$_GET, \$_REQUEST
	Labor Day Holiday	—
10	<ul style="list-style-type: none"> Practice on PHP Assignment 1 Continue – Continue building the company website depending on the Design report (Chapter 15) 	<ul style="list-style-type: none"> Review Ch15 PHP webpage includes another PHP webpage and show up text from it Display .txt contents on webpage using PHP webpage (file handling) Create & display cookie's details using PHP webpage Upload picture/document into the web server using PHP webpage (<i>example</i>)
11	<ul style="list-style-type: none"> Practice on PHP Assignment 1 Continue – Continue building the company website 	<ul style="list-style-type: none"> Review Ch16 Create data using

	depending on the Design report (Chapter 16)	<p>PHP/WampServer website</p> <ul style="list-style-type: none"> • Insert data using PHP/WampServer website • Select data using PHP
	<ul style="list-style-type: none"> • Practice on PHP (Chapter 16) 	<ul style="list-style-type: none"> • Where data using PHP • OrderBy data using PHP • Update data using PHP/WampServer website • Delete data using PHP/WampServer website
12	<ul style="list-style-type: none"> • Finish the Back-side's <i>userList</i> and <i>messageList</i> webpages • Create the Back-side website with the <i>homepage</i> 	
	<ul style="list-style-type: none"> • Update the Front-side's <i>login</i> website, and make sure it links database to check user inputs 	
13	<ul style="list-style-type: none"> • Practice on PHP • Continue practicing on PHP 	
14	<ul style="list-style-type: none"> • Continue practicing on PHP • Lab Quiz (includes HTML, Forms, Frames, JavaScript, PHP) 	
	<ul style="list-style-type: none"> • Review HTML, CSS, JavaScript, PHP 	<ul style="list-style-type: none"> • Review Ch1-16
15	Final Exam	<ul style="list-style-type: none"> • Assignment 1 End – Submit website (frontstage, backstage, database), report (includes introduction, design, results and conclusion), video (10 min), PPT before doing the presentation

Note: Some chapters or sections may leave for self-study, this is the students' duty to learn and understand, they may also be included in the quizzes or exams. A review in Chinese may be held during L.C. and O.H. in the semester.

Teacher's Office Hour

- ♦ The instructor's office hour is shown in the front of the office door.
- ♦ Students are suggested to use the instructor's office hour and learning center to ask questions or talk with the instructor once at least per week for good communication and effective learning, which is recorded in the students' participation.
- ♦ The time can be scheduled by instructors or students, or both.

Cheating and Plagiarism

Cheating is not tolerated. Any student caught cheating on a quiz; test or exam will be given a mark of zero (0) for the particular work. At the beginning of the semester the definition of plagiarism will be carefully explained, when any thoughts or writings of another person are used, they must be clearly identified (usually one uses quotation marks) and the source notes. **If any student is caught cheating on any homework assignment, the highest score the student can earn in that course is a "C".**

Instructor: Jingning Li, Xin Zhang

Department Head: Jingning Li

