

Capital University of Economics and Business

Overseas Chinese College

Course Syllabus

<u>Year and Semester</u>	2021 Spring (Feb 28, 2021— July 18, 2021)
<u>Course Name</u>	Web Design and Programming
<u>Course Code</u>	MIS305
<u>Course Type</u>	<input type="checkbox"/> General Education (Required) <input type="checkbox"/> General Education (Elective) <input type="checkbox"/> Professional Course (Required) <input checked="" 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
<u>Contact Information</u>	Office: C217 Tele: (010)83951082 Email: lijingning@cueb.edu.cn
<u>Office Hour</u>	TBA
<u>Learning Centre</u>	TBA
<u>Grade/Section</u>	2018IT/Y01
<u>Course Time/Place</u>	WF: 10:10-12:00 / B208

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 is a standards based course on HTML, CSS, JavaScript, and PHP. 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

At the completion of this unit students will have knowledge and be able to:

- Write HTML, CSS, JavaScript, PHP languages
- Apply HTML, CSS, JavaScript, PHP technology on the website

Website Source

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

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: Apr.26 -30, 2021;

Final Exam: June 21-25, 2021

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	Date	Topics	Homework
1	Mar. 3	<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
	Mar. 5	<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++
2	Mar. 10	<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, current webpage links)
	Mar. 12	<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 (webpage links, current webpage links)
3	Mar. 17	<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
	Mar. 19	<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	Mar. 24	<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 the register webpages and make sure the interface is tidy (using tables)
	Mar. 26	<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 webpages and make sure the interface is tidy (using tables)
5	Mar. 31	<ul style="list-style-type: none"> • Forms 	<ul style="list-style-type: none"> • Review Ch4 & Ch5

		<ul style="list-style-type: none"> Practice on Forms (register & login webpages) Tidy the webpages' interface using tables (Chapter 5) 	<ul style="list-style-type: none"> Finish the Calculator webpage (optional)
	Apr. 2	<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 Start to create the Login & Register Webpage using JavaScript (optional)
6	Apr. 7	<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 Finish the website that using 3 ways to get user input and display on the 2nd webpage
	Apr. 9	<ul style="list-style-type: none"> Learning JavaScript Practice on JavaScript (Chapter 11-13) 	<ul style="list-style-type: none"> Review Ch11-13 Finish the website that using 3 ways jumping to the 2nd webpage
7	Apr. 14	<ul style="list-style-type: none"> Continue Working with JavaScript Show up the results on the webpage (text or inside the textbox) Check user input (enter or not; passwords are same or not; email or not) Show up the warnings (on the popup window; current webpage) Show up the login's user name on the welcome webpage Calculator as students' cellphone's (optional) 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
	Apr. 16	<p>Spring Sports</p> <ul style="list-style-type: none"> Continue Working with JavaScript (Login & Register) Show up the login's user name on the welcome webpage using cookies Show up the login's user name on the welcome webpage using form's method (Get/Post) Show up the login's user name on the welcome webpage with another 3-4 ways Assignment 1 Continue – Start to build the company website depending on the Design report (Chapter 11-13) 	<ul style="list-style-type: none"> Review Ch1-6 & Ch11-13 for Mid-term Exam
8	Apr. 21	<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
	Apr. 23	<ul style="list-style-type: none"> Practice on CSS (Chapter 7 & 8) Page Layout (self-study) Design Issues (self-study) 	<ul style="list-style-type: none"> Review Ch7-8 Finish the tables with different colors (rows,

		<ul style="list-style-type: none"> Putting Your Site on the Web (self-study) (Chapter 9 & 10) 	columns, cells) using CSS
9	Apr. 28	Midterm Test	—
	Apr. 30	Show up Midterm Test Answers	—
10	May 5	Labor Day Holiday <ul style="list-style-type: none"> PHP Practice on PHP 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)
	May 7	<ul style="list-style-type: none"> Practice on PHP (Chapter 14) 	<ul style="list-style-type: none"> PHP webpage includes current date, \$_POST & \$_GET The different among \$_POST, \$_GET, \$_REQUEST
11	May 12	<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 current date with different format PHP webpage includes another PHP webpage and show up text from it Display .txt contents on webpage using PHP webpage (file handling)
	May 14	<ul style="list-style-type: none"> Practice on PHP (Chapter 15) 	<ul style="list-style-type: none"> Upload picture/document into the web server using PHP webpage Create & display cookie's details using PHP webpage
12	May 19	<ul style="list-style-type: none"> Practice on PHP Assignment 1 Continue – Continue building the company website depending on the Design report (Chapter 16) 	<ul style="list-style-type: none"> Review Ch16 Create data using PHP/WampServer website

			<ul style="list-style-type: none"> • Insert data using PHP/WampServer website • Select data using PHP
	May 21	<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
13	May 26	<ul style="list-style-type: none"> • Practice on PHP (Register & Login case) 	
	May 28	<ul style="list-style-type: none"> • Continue practicing on PHP (Register & Login case) 	
14	Jun. 2	<ul style="list-style-type: none"> • Practice on PHP 	
	Jun. 4	<ul style="list-style-type: none"> • Continue practicing on PHP 	
15	Jun. 9	<ul style="list-style-type: none"> • Review HTML, CSS, JavaScript, PHP • Assignment 1 Continue – Continue building the company website depending on the Design report (Chapter 14-16) 	<ul style="list-style-type: none"> • Review Ch14-16
	Jun. 11	<ul style="list-style-type: none"> • Assignment 1 Continue – Continue building the company website depending on the Design report • Lab Quiz (includes HTML, Forms, Frames, JavaScript, PHP) (Chapter 1-16) 	<ul style="list-style-type: none"> • Review Ch1-16
16	Jun. 16	<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 • Presentation (one by one showing up the website – frontstage and backstage) 	
	Jun. 18	<ul style="list-style-type: none"> • Continue Presentation (one by one showing up the website – front site and back site) • Answer questions from students 	
17	Jun. 23	Final Exam	—
	Jun. 25	Final Exam	—

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".**

Important Dates

Spring Semester, 2021	Feb 28, 2021— July 18, 2021
Feb. 28	Registration
Mar. 1	Classes Begin
Apr.4	Qing Ming Festival
Apr.16	Spring Sports
Apr.26 -30	Midterm Test (tentative)
May 1	Labor Day
June 14	Dragon-Boat Festival
June 21-25	Final Exams for Sophomores and Juniors
June 28-July18	Social Practice for Sophomores and Juniors (tentative)
July 3-11	Revision (Freshmen)
July 12-16	Final Exam Period (Freshmen)
July 19	Summer Vacation Begins

Note: This syllabus is tentative and may be changed or modified throughout the semester. All students will be notified and a new syllabus will be given.

Instructor: Jingning Li

Department Head: Jingning Li

