Capital University of Economics and Business
Overseas Chinese College
Course Syllabus

Year and Semester	2025 Spring
Course Name	Web Design and Programming
Course Code	MIS205
Course Type	☐ General Education (Required) ☐ General Education (Elective) ☐ Basic Disciplinary Course ☑ Professional Course (Required) ☐Professional Course (Elective) ☐Professional Course (Expanded) ☐Professional Course (Advanced)
Course Credits	4

Course Hours	Total Class Hours	64	Lecture Hours	32	Experiment (Computer) Hours	32

Applicable object	☐ Freshman ☐ Sophomore ☑ Junior ☐Senior
	☐ Information Management and Information Systems (Finance)
Prerequisites	
Instructor	Xin Zhang. Li jingning
Contact Information	Office: C217
	Tele: (010)83951082
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Office Hour	Zhangxin: W: 9:55—12:20; F: 9:55—12:20 Lijingning: WTH: 9:55-11:30; TH: 13:30-15:05
Learning Centre	Zhangxin: T: 18:00—20:00 (online); TH: 8:00—9:55 Lijingning: T: 18:00-20:00 (online); F: 13:30-15:05
Grade/Section	2023IT&CFA
Course Time/Place	2023IT W/F: 8:00—9:35 / B208 2023CFA W/F: 8:00—9:35 / B211
Textbook	Jon Duckett. Beginning HTML, XHTML, CSS, and JavaScript. Wiley Publishing, Inc. Edition Press, IN, ISBN 978-0-470-54070-1

Reference Book

HTML5从入门到精通（清华大学出版社）

HTML5+CSS从入门到精通（清华大学出版社）

HTML5+CSS3+JavaScript从入门到精通（清华大学出版社）

Course Description

This course introduces the basic concepts of the WWW, and the principles and tools that are used to develop Web applications. It also provides an overview of Internet technology and Web protocols, client side and server side programming, communication and design. The main technologies covered are HTML, XHTML, CSS, JavaScript, PHP and SQL which are enough to work on some real web projects.

This course is a basic course in web design and development that teaches you how to implement a web site using a programming language. We used HTML, CSS, and JavaScript as the programming language for the front-end page, PHP as the language of the server side, and connected to the SQL database. After learning, you can design a variety of websites according to the needs of users.

Student Learning Objectives

On successful completion of this exam, candidates should be able to:

Knowledge	◆ The language of website development, and the framework structure of the front page and background database of the website. ◆ Installation and use of website development software. ◆ Editing and modification of web development languages. ◆ Identify the advantages and disadvantages of the website.
Capability	◆ Describe the architecture of website, as well as the features and functionality of various programming languages, such as HTML, PHP, SQL. ◆ Analyze the architecture, content, and advantages and disadvantages of the Well-known websites. ◆ Develop a complete website by using the HTML, CSS, JavaScript, PHP and SQL programming language according to the user's needs. ◆ Present the final result of the website
Mindset	◆ Understand the importance and necessity of teamwork. ◆ Demonstrate Students' pride in their country and nation. ◆ Realize the loyal purpose of serving the people ◆ Apply logic and critical thinking in the process of decision making.

Website Source

https://www.w3school.com.cn

Teaching Methods

This course contains lectures, class discussions, homework, quizzes, presentation and exams. Textbook content will be introduced first. Then real case and practice questions will be delivered to students as a way to test their understanding of the knowledge. This will require individual or group assignment in or after class.

Grade Criterion

Component	Weight	Description
Final Exam	20%	A cumulative final examination will be given based on all the contents of the class. The exam paper may be composed of multiple-choice questions, short answer questions, essay questions. Students should rely primarily on homework assignments and class exercise as reference for exams.
Mid-Term Test	20%	A cumulative final examination will be given based on all the contents of the class. The exam paper may be composed of multiple-choice questions, short answer questions, essay questions. Students should rely primarily on homework assignments and class exercise as reference for exams.
Homework	10%	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. In general, each assignment should be complete in appropriate software and submit by Xuexitong(学习通) App. The graded will be published on the app.
Quizzes	10%	There will be at least 14 quizzes during the semester. It may also be used to check the attendance. Quizzes will test your theoretical knowledge and

		application ability.
Presentation	20%	The students will be divided into several groups to prepare a presentation. Each student is required to be involved in the presentation. Each member of the group will receive the group grade with certain weight of his/her Overseas Chinese College – Course Syllabus Page 3 of 6 contribution. Each group need to finish a code or report of the project，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 question and answer at least 10 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%
Mid-Term Test	20%	
Final exam		20%
Total	40%	60%

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%.

☞ *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（original）

Week	Topics	Platform	Homework
1	● Syllabus ● Chapter 1 Structuring Documents for the Web (Computer and mobile devices) • Introducing HTML5 and XHTML • Basic Text Formatting & Elements	Classroom	Grouping to determine the topic
	● Chapter 1 Structuring Documents for the Web (Computer and mobile devices) • Basic Text Formatting & Elements	Classroom	
	● Chapter 1 Structuring Documents for the Web (Computer and mobile devices) • List & Text & Comments	Classroom	
	• Assignment Start Design	Classroom	
2	● Chapter 2 Links and Navigation (Computer and mobile devices) • Links to E-mail • Links to other pages	Classroom	Complete website navigation, links, and media
	● Chapter 2 Links and Navigation (Computer and mobile devices) • Links to other pages • Links with anchor	Classroom	
	● Chapter 2 Links and Navigation (Computer and mobile devices) • Links with anchor	Classroom	
	● Chapter 3 Images, Audio, and Video (Computer and mobile devices) • Image <img> element	Classroom	

3	● Chapter 3 Images, Audio, and Video (Computer and mobile devices) • Adding flash, video, and audio	Classroom	Complete website tables and layout
	● Chapter 4 Tables (Computer and mobile devices) • Table Element & Attributes • Group sections of table	Classroom	
	● Chapter 4 Tables (Computer and mobile devices) • Group sections of table • Nested table	Classroom	
	● Chapter 4 Tables (Computer and mobile devices) • Nested table	Classroom	
4	● Chapter 5 Forms (Computer and mobile devices) • Form Controls	Classroom	Complete website form
	● Chapter 5 Forms (Computer and mobile devices) • Form Controls • Labelling and Organizing Forms	Classroom	
	● Chapter 5 Forms (Computer and mobile devices) • Labelling and Organizing Forms • POST & GET	Classroom	
	● Chapter 6 Frames (Computer and mobile devices) • Frameset • Frame link	Classroom	
5	● Chapter 6 Frames (Computer and mobile devices) • Nest frame	Classroom	Complete Dynamic Part
	● Chapter 6 Frames (Computer and mobile devices) • Nest frame • iframe	Classroom	
	● Chapter 11 JavaScript (Computer and mobile devices) • DOM • Add JavaScript • JavaScript Function	Classroom	
	● Chapter 11 JavaScript (Computer and mobile devices) • JavaScript Function	Classroom	

6	● Chapter 12 Working with JavaScript (Computer and mobile devices) • Form Validation	Classroom	Complete Dynamic Part
	● Chapter 12 Working with JavaScript (Computer and mobile devices) • Form Enhancements • JavaScript Libraries	Classroom	
	• Qing Ming Festival		
7	● **Midterm Test**	Classroom	Demo Website
8	● Chapter 7&8 CSS (Computer devices) • Add CSS	Classroom	Complete CSS part
	● Chapter 7&8 CSS (Computer devices) • CSS Example	Classroom	
	● Chapter 7&8 CSS (Mobile devices) • Add CSS	Classroom	
	● Chapter 7&8 CSS (Mobile devices) • CSS Example	Classroom	
9	● Chapter 13 PHP • PHP Environment • PHP Syntactic Rule • Introduce JSON and Java for mobile devices	Classroom	Complete PHP Validation
	● Chapter 13 PHP • Simple PHP • Simple JSON and Java for mobile devices	Classroom	
	● Chapter 13 PHP • Simple PHP • Simple JSON and Java for mobile devices	Classroom	
	● Chapter 14 PHP and SQL • PHP Validation • Example of JSON and Java for mobile devices	Classroom	
10	● **Labor Day**		
11	● Chapter 14 PHP and SQL • PHP and MySQL Connect & Create • Example of JSON and Java for mobile devices	Classroom	Complete SQL Part
	● Chapter 14 PHP and SQL • PHP and MySQL Connect & Create • Example of JSON and Java for mobile devices	Classroom	
	● Chapter 14 PHP and SQL • PHP and MySQL Insert • Example of JSON and Java for mobile devices	Classroom	
	● Chapter 14 PHP and SQL • PHP and MySQL Insert • Example of JSON and Java for mobile devices	Classroom	

12	● Chapter 14 PHP and SQL • PHP and MySQL Select & Where & Order By • Example of JSON and Java for mobile devices	Classroom	Improve SQL Part
	● Chapter 14 PHP and SQL • PHP and MySQL Select & Where & Order By • Example of JSON and Java for mobile devices	Classroom	
	● Chapter 14 PHP and SQL • PHP and MySQL Update • Example of JSON and Java for mobile devices	Classroom	
	● Chapter 14 PHP and SQL • PHP and MySQL Update • Example of JSON and Java for mobile devices	Classroom	
13	● Chapter 14 PHP and SQL • PHP and MySQL Delete • Example of JSON and Java for mobile devices	Classroom	Complete the entire website
	● Chapter 14 PHP and SQL • PHP and MySQL Delete • Example of JSON and Java for mobile devices	Classroom	
	● Chapter 14 PHP and SQL • PHP and MySQL Upload • Example of JSON and Java for mobile devices	Classroom	
	● Consultation	Classroom	
14	Presentation	Classroom	Whole Website
15	Presentation /Final Review	Classroom	
16	Final Review	Classroom	

Note: In the first three weeks, Tencent Meeting, Mosoteach and the Wechat group will be used as themain teaching methods. The Wechat group will be mainly used to inform thestudents daily study activities and tasks Tencent Meeting and Mosoteach will be used as the main studyplatform to teach and organize the study activities When classes change back to school, Tencent Meeting will be stopped to use. Mosoteach will be mainly used to upload PPTS and release some learningmaterials.

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

Midterm Test	Week 7

Final Exam	Week 17 （Refer to the notice of the Academic Affairs Office）

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:　Xin Zhang　　　　　　Department Head:　Jingning Li　　　　**