

## Course Syllabus

### ISOM 452: Web Application Development

Office Hours: Sunday/Tuesday/Thursday, 1pm to 2pm and 4pm to 5pm

Class time: Sunday/Tuesday/Thursday, 5pm

#### Course Description

The purpose of this course is to introduce students to the fundamentals of web application development and deployment. Students will be introduced to the main standards and technologies used to power contemporary front-end and back-end web applications. Through practical experience, students will be introduced to the challenges of designing, building, deploying modern web applications and service-based infrastructures. Students will also get an appreciation of the challenges that face business in maintaining a web application infrastructure.

#### Class Material

Web Design With Html CSS - Jon Duckett, 2014

JavaScript and JQuery Interactive Front-End Web Development - Jon Duckett, 2014

#### Important Class Dates

Date	Event
31/10/2023	Midterm Exam
16/3/2023	Last day to withdraw from classes
4/5/2023	Last day of classes
10/05/2023	Final Exam (2pm – 4pm)

#### Email Etiquette

Since Email is one of the preferred ways of communication for this class, I would expect students to adhere to correct/professional/proper Email etiquette. Please visit [j.mp/MIS\\_Email](http://j.mp/MIS_Email) site for more information. **Any email not using these guidelines, will be deleted and ignored** (you will not get a reply from me).

## Class Outline

Unit	Key Topics	Resources
Website structure	How websites work HTML, tables, images, links, forms	Web design book, chapters 1 through 9
cascading style sheets (CSS)	How CSS works, layout, images, HTML5, bootstrap	Web design book, chapters 10 through 19
Programming and front-end development	Javascript and programming	Web design book, chapters 1 through 6
JQuery	JQuery programming	Web design book, chapters 7 through 13

## College Level Objectives (CLO) Mapping to CBA Skill Based Competency Goals

CLO	Competency Goals				
	Analytical	Communication	Information Technology	Business Ethics	General Business Knowledge
1					R
2			A		
3			A		
4	I		A		
5	I		A		

### Type of Emphasis:

- **(I)**ntroduce: Students will be introduced to the skill and their grasp of it assessed in the course.
- **(A)**pply: The course will not cover the skill. Students should have a high-level grasp of the skill and are required to apply it in the course.
- **(R)**einforce: Students should have an introductory-level grasp of the skill and the course will improve their mastery to a higher level.

## Policies

- **General**

- Students should check the Teams site/app for class information regularly, you are responsible for any information posted
- Each student should turn silent/off his/her mobile at the beginning of class and place it on the desk upside down
- After a grade is posted, you will have one week to discuss grade with me/TA. After that week, the grade is final
- If you are a special needs student (have any disability), please inform me
- Make-up Quizzes and Exams: No Makeup quizzes or Exams will be given
- Do not tell me "After the Fact".
- During an exam/quiz, once a student leaves, no student is allowed to come in

- **Absence**

- Be on time for the lecture (remember, class starts at 2pm, not 2:05pm)
- At the beginning of each lecture, I will take attendance, anyone coming after that time will be considered as absent
- I will not take off points for being absent

## Grading

The grades for this class are distributed as follows:

Grade	Activity
100	5 Quizzes, 25 points each (lowest quiz is dropped)
100	Research Assignment
300	Project
200	Midterm exam
300	Final exam
<b>1000</b>	<b>Total</b>

## Grade distribution

Range	Grade
>= 950	A
900-949	A-
870-899	B+
830-869	B
800-829	B-
770-799	C+
730-769	C
700-729	C-
650-699	D+
600-649	D
<= 599	F

## Academic Integrity

All of the following acts will be considered as cheating:

- Presenting work that you copied from someone else as yours
- Talking to others during exams or quizzes
- Looking over someone else's exam during the exam or quizzes
- Using your mobile phone during exams or quizzes (regardless of what are you using it for)
- Communicating with anyone else during any quiz or exam
- Presenting work that you copied from the internet or a book as yours
- Any text that you would want to include in your work needs to be referenced
  - **Referencing a book example (referenced text is in *italic*):**  
..... *"The latest version of the Microsoft Office release has built in support for web enabled features"* (Microsoft Office Demystified, John Davis, 2004, Prentice Hall press, page 243) .....
  - **Referencing an internet site example (referenced text is in *italic*):**  
.... *"DHCP servers assign a unique IP address whenever a new computer or device is connected"* (<http://www.tcpip.org/dhcp.html>) .....

**Punishment for cheating is as follows (from the university guidelines)**

- Students will be given an F for ALL of their classes for that semester
- Students can also be denied class registration for the next semester