



## Course Specifications

<b>Course Title:</b>	Web Systems
<b>Course Code:</b>	502315-3
<b>Program:</b>	Bachelor in Information Technology
<b>Department:</b>	Department of Information Technology
<b>College:</b>	College of Computers and Information Technology
<b>Institution:</b>	Taif University

## **Table of Contents**

<b>A. Course Identification</b>	<b>3</b>	
6. Mode of Instruction (mark all that apply)		3
<b>B. Course Objectives and Learning Outcomes</b>	<b>3</b>	
1. Course Description		3
2. Course Main Objective		3
3. Course Learning Outcomes		3
<b>C. Course Content</b>	<b>4</b>	
<b>D. Teaching and Assessment</b>	<b>4</b>	
1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods		4
2. Assessment Tasks for Students		4
<b>E. Student Academic Counseling and Support</b>	<b>5</b>	
<b>F. Learning Resources and Facilities</b>	<b>5</b>	
1. Learning Resources		5
2. Facilities Required		5
<b>G. Course Quality Evaluation</b>	<b>5</b>	
<b>H. Specification Approval Data</b>	<b>6</b>	



## A. Course Identification

<b>1. Credit hours:</b> 3
<b>2. Course type</b>
a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/>
b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
<b>3. Level/year at which this course is offered:</b> 9/3
<b>4. Prerequisites for this course (if any):</b> 501222-3 & 502372-3
<b>5. Co-requisites for this course (if any):</b>

## 6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	7	100%
2	Blended	0	0
3	E-learning	0	0
4	Distance learning	0	0
5	Other	0	0

## 7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	Lecture	40
2	Laboratory/Studio	30
3	Tutorial	0
4	Others (specify)	0
	<b>Total</b>	70

## B. Course Objectives and Learning Outcomes

<p><b>1. Course Description</b></p> <p>Introduce students to Web programming technologies to create static and dynamic Web pages using databases. Topics include web servers, HTML, CSS3, Java Script and PHP using MySQL.</p>
<p><b>2. Course Main Objective</b></p> <p>The objective of this course is to discuss how the Web systems are programmed and maintained and how online pages are created and delivered by Web servers and used by clients. In this course, student also explore some web based applications, such as multimedia presentation and streaming, web based monitoring and control. Another objective set in this course is to let student get familiar with the trend and the latest development in the web engineering.</p>



### 3. Course Learning Outcomes

CLOs		Aligned PLOs
1	<b>Knowledge and Understanding</b>	
1.1	Define the fundamental concepts, goals and types of web systems	K1
2	<b>Skills :</b>	
2.1	Develop HTML static and dynamic web page using CSS styling and Scripting languages.	S1
2.2	Develop server-side web pages using PHP.	S2
2.3	Build 3-tiers web systems using PHP server and MySQL server.	S2
3	<b>Values:</b>	

### C. Course Content

No	List of Topics	Contact Hours
1	Introduction to Web systems.	4
2	HTML	8
3	HTML frames, XHML	4
4	CSS	8
5	HTML forms	12
6	Java Script	12
7	PHP	14
8	PHP and MySQL	8
<b>Total</b>		<b>70</b>

### D. Teaching and Assessment

#### 1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	<b>Knowledge and Understanding</b>		
2.0	<b>Skills</b>		
2.1	Develop HTML static and dynamic web page using CSS styling and Scripting languages.	Lecture Discussion Lab work	Written Exams Assignments Practical Exam
2.2	Develop server-side web pages using PHP.	Lecture Discussion Lab work	Written Exams Assignments Practical Exam
2.3	Build 3-tiers web systems using PHP server and MySQL server.	Lecture Discussion Lab work	Written Exams Assignments Practical Exam
3.0	<b>Values</b>		
3.1	Define the fundamental concepts, goals and types of web systems.	Lecture Discussion Work group	Writing Exam Assignments Reports Oral Presentations



## 2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Assignments	8	5%
2	Mid Exam	6	20%
3	Minor project	10	10%
4	Final presentation	10	5%
5	Labs	11	20%
6	Final Exam	12	40%

\*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

## E. Student Academic Counseling and Support

### Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:

Academic advising and counseling of students is an important component of teaching; student academic advising is a mandatory requirement of College of Computers and Information Technology (CCIT). Appropriate student advising provides support needed for the student during times of difficulty. In addition, it helps the student to build a close relationship with his/her advisor and to provide student motivation and involvement with the institution.

In addition, since faculty are usually the first to recognize that a student is having difficulty, faculty members play a key role in developing solutions for the students or referring them to appropriate services. Faculty members also participate in the formal student-mentoring program.

Additional counseling is provided by course directors, who provide students with academic reinforcement and assistance and refer “at risk” students to the Vice Dean for Academic Affairs and the Vice Dean for female section.

## F. Learning Resources and Facilities

### 1. Learning Resources

<b>Required Textbooks</b>	Internet and World Wide Web How To Program. Deitel & Deitel, Pearson Education, Latest Edition
<b>Essential References Materials</b>	Using HTML 4, XML and Java, Eric Ladd, Jim O’ Donnel, Prentice Hall, Latest Edition Beginning PHP and MySQL from Novice to Professional, W. Jason Gilmore, Apress, Latest Edition
<b>Electronic Materials</b>	Presentations and recorded lectures
<b>Other Learning Materials</b>	<a href="https://www.w3schools.com/">https://www.w3schools.com/</a>



## 2. Facilities Required

Item	Resources
<b>Accommodation</b> (Classrooms, laboratories, demonstration rooms/labs, etc.)	<ul style="list-style-type: none"> <li>• A Lecture room appropriate for maximum 25 students with a personal computer, a data show and a smart board.</li> <li>• A Lab room appropriate for maximum 15 students with a personal computer, a data show and a smart board.</li> </ul>
<b>Technology Resources</b> (AV, data show, Smart Board, software, etc.)	<ul style="list-style-type: none"> <li>• Lab materials and required software</li> </ul>
<b>Other Resources</b> (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	NON

## G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of Teaching	Students	Students surveys and Students course evaluation
Improvement of Teaching	Course Coordinator	deficiencies based on the student Evaluation, faculty input, course file, and program assessment
Verifying Standards of Student Achievement	Curriculum Committee	<ul style="list-style-type: none"> <li>• Review CAF (Course assessment file)</li> <li>• Alumni surveys.</li> <li>• Periodic exchange and remarking of tests or a sample of assignments with staff at another</li> </ul>

**Evaluation areas** (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

**Evaluators** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## H. Specification Approval Data

Council / Committee	IT Department Council/ Executive program committee
Reference No.	11
Date	23/10/21443



و.م.م.م.

قسم تقنية المعلومات  
Information Technology  
Department  
TU  
جامعة تافتة  
TAF UNIVERSITY

كلية الحاسب وتقنية المعلومات  
College of Computer and  
Information Technology  
TU  
جامعة تافتة  
TAF UNIVERSITY

