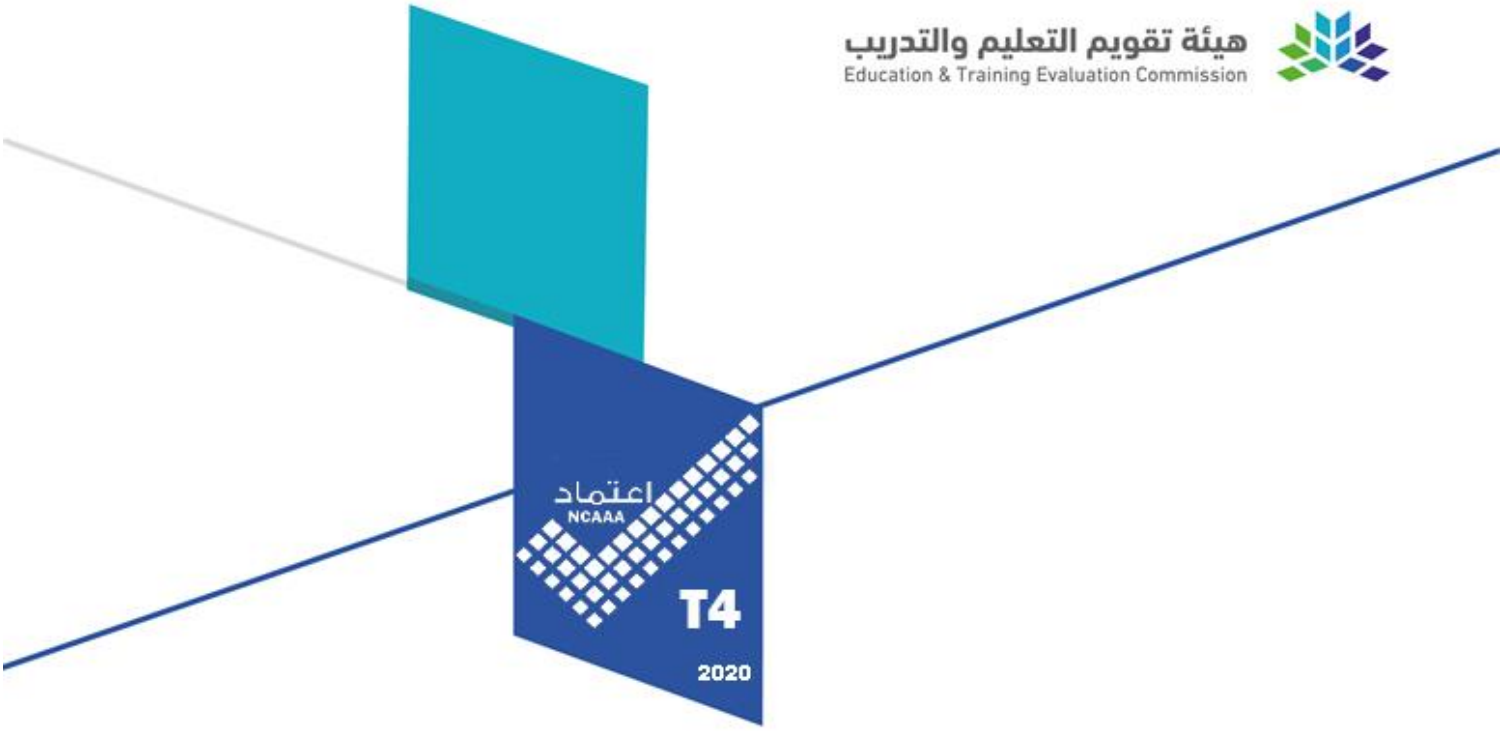
هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission



Course Specifications

Course Title:	**Internet Technologies**
Course Code:	**501461-3**
Program:	**Bachelor in Computer Science**
Department:	**Department of Computer Science**
College:	**College of Computers and Information Technologies**
Institution:	**Taif University**

Table of Contents

A. Course Identification

1. Credit hours: 3
2. Course type **a.** University ☐ College ☐ Department ☒ Others ☐ **b.** Required ☒ Elective ☐
3. Level/year at which this course is offered: 12/4
4. Pre-requisites for this course (if any)**: 502372**
5. Co-requisites for this course (if any)**: None**

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	**Traditional classroom**	3	67%
2	**Blended**		
3	**E-learning**	2	33%
4	**Distance learning**		
5	**Other**		

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	**Lecture**	50
2	**Laboratory/Studio**	0
3	**Tutorial**	0
4	**Others** (specify)	0
	Total	50

B. Course Objectives and Learning Outcomes

1. Course Description

Introduce students to Web programming technologies to create dynamic Web pages using databases, and graphics. Topics may include web servers, HTML5, CSS3, HTTP protocols, XML, and scripting using PHP, JSP, ASP.NET, or JavaScript languages.

2. Course Main Objective

Students at the end of the course are able to:

- Understand internet technologies
- Create a static and dynamic web page using HTML, CSS and Scripting Language
- Describe the importance of the HTTP protocol in Web applications
- Develop a web system using ASP.NET or PHP

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	**Knowledge and Understanding**	
1.1	Describe the internet structure, the WWW, the web servers, and the HTTP protocol	K1
1.2		
1.3		
1...		
2	**Skills :**	
2.1	Create static web pages	S2
2.2	Design web page layouts	S2
2.3	Develop server-side programs and web pages	S2
2...	Develop web pages with JavaScript interactions	S2
3	**Values:**	
3.1		
3.2		
3.3		
3...		

C. Course Content

No	List of Topics	Contact Hours
1	Introduction to Web Systems	4
2	History of the Web, How does the Internet work, Basic building blocks of Web. How all of these work together?	5
3	Beginning HTML, Markup styles, Structure of HTML page	5
4	HTML Lists, Tables, Images, and HTML Forms	6
5	CSS, Styling HTML with CSS, CSS Layouts, styling Text, Tables, Forms, Webpage Layout.	9
6	Introducing JavaScript, Programming Basics, JavaScript Language	6
7	Advanced JavaScript linked to HTML	3
8	Server-side web development with JSP, PHP or ASP.NET	6
9	Multitier Web Application using databases	6
Total		50

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	**Knowledge and Understanding**		
1.1	Describe the internet structure, the WWW, the web servers, and the HTTP protocol	Lectures Labs Project	**Direct** Written Exams Assignments Quizzes Project **Indirect** Course exit survey

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.2			
…			
2.0	**Skills**		
2.1	Create static web pages	Lectures Labs Project	**Direct** Written Exams Assignments Quizzes Project **Indirect** Course exit survey
2.2	Design web page layouts	Lectures Labs Project	**Direct** Written Exams Assignments Quizzes Project **Indirect** Course exit survey
2.3	Develop server-side programs and web pages	Lectures Labs Project	**Direct** Written Exams Assignments Quizzes Project **Indirect** Course exit survey
2.4	Develop web pages with JavaScript interactions	Lectures Labs Project	**Direct** Written Exams Assignments Quizzes Project **Indirect** Course exit survey
3.0	**Values**		
3.1			
3.2			
…			

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Student Participation-Attendance	Every Week	5%
2	Project	Week 7 →11	15%
3	Quizzes	Week 4 & 11	10%
4	Final Labs Exam	Week 11	10%
5	Mid-Term	Week 8	20%
6	Final Examination	Week 12	40%
7			
8			

***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

Required Textbooks	Internet and World Wide Web - How to Program, Deitel, Deitel & Nieto, Pearson Education (latest edition)
Essential References Materials	Web Programming – Building Intranet applications, Chris Bates, Wiley Publications
Electronic Materials	
Other Learning Materials	

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	• Classroom with 40 chairs • Lab with 20 PCs and required software tools installed (PHPStorm, Sublime, Eclipse or NetBeans)
Technology Resources (AV, data show, Smart Board, software, etc.)	• Video projector / data show • White board
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	

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	• Review CAF (Course assessment file) • Alumni surveys. • Periodic exchange and remarking of tests or a sample of assignments with staff at another

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	CS council
Reference No.	Meeting #12
Date	23-10-1443