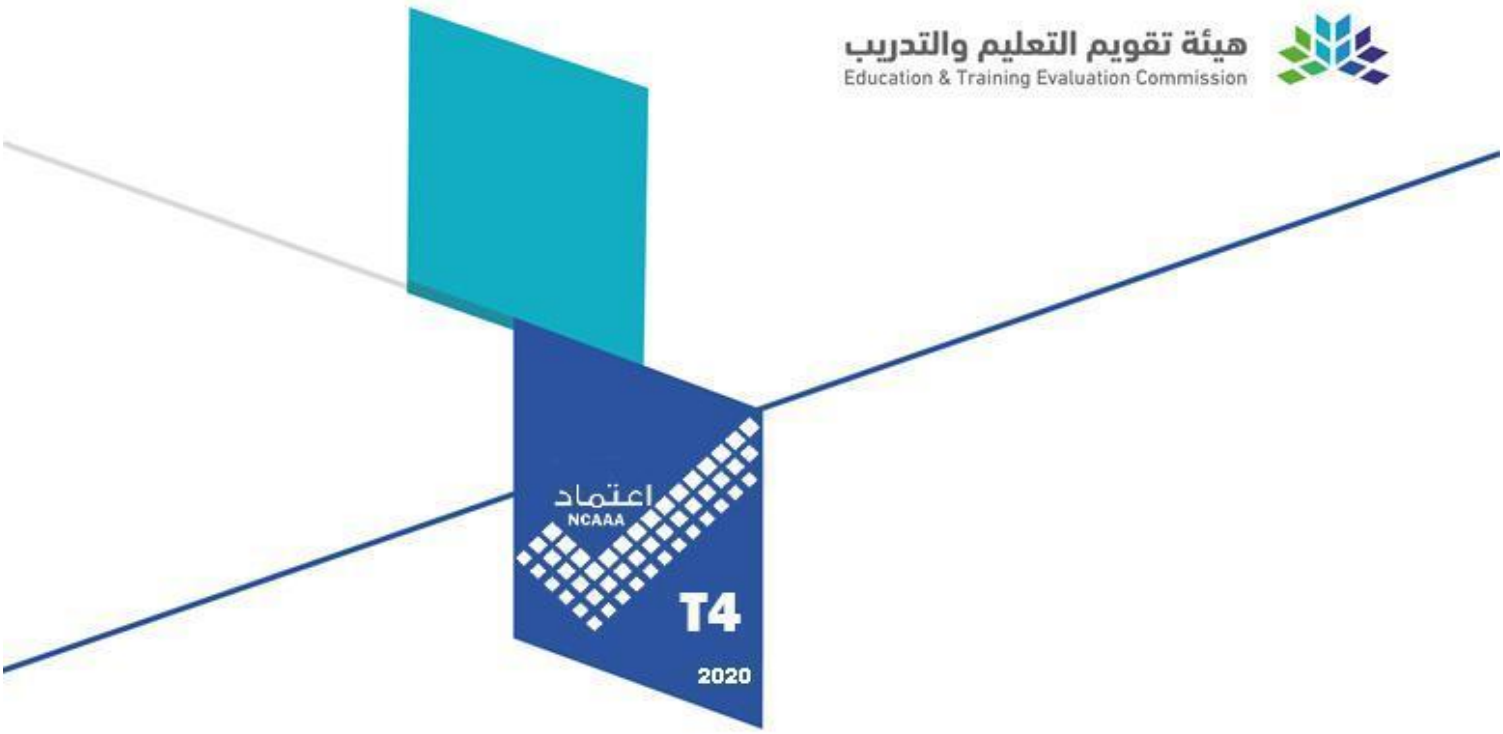
هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission



Course Specifications

Course Title:	**Capstone Project (2)**
Course Code:	**502599-3**
Program:	**Bachelor in Information Technology**
Department:	**Department of Information Technology**
College:	**College of Computers and Information Technology**
Institution:	**Taif University**

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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: 15/5
4. Pre-requisites for this course (if any)**: 502598-3**
5. Co-requisites for this course (if any)**:**

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	**Traditional classroom**	5	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**	50
2	**Laboratory/Studio**	
3	**Tutorial**	
4	**Others** (specify)	
	Total	50

B. Course Objectives and Learning Outcomes

1. Course Description

This course provides students with the opportunity to apply the knowledge acquired during their studies. The students extend their academic experiments of leadership into areas of personal interest and demonstrate their ability to work as a team to accomplish the project. The teams demonstrate their ability to analyze, synthesize, design and evaluate information. During the second semester, the software and/or hardware implementation takes place followed by the testing and verification phases. Finally, the students should submit a comprehensive report about their achievements to the IT department.

2. Course Main Objective

The main objective of this course is to implement a software system based on the project requirements and design specification, to test the implementation of the design specification / algorithm to identify defects and to assess system behavior against the original specification and to evaluate, criticize and defend the work accomplished in the project in writing, visually and orally.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	**Knowledge and Understanding**	
1.1	Recognize concepts of professionalism and ethics.	K1
2	**Skills :**	
2.1	Implement a software system based on the project requirements and design specification.	S1
2.2	Test the implementation of the design specification / algorithm to identify	S2
2.3	Evaluate criticize and defend the work accomplished in the project in writing visually and orally.	S3
3	**Values:**	
3.2	defects and to assess system behavior against the original specification Work as part of a team and to demonstrate leadership qualities	V1, V2

C. Course Content

No	List of Topics	Contact Hours
1	Startup meeting	10
2	Continue Implementation Work	10
3	Final Report	10
4	Project Poster	10
5	Final Presentation/Demo	10
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	Recognize concepts of professionalism and ethics.	Lecture Discussion	Proposal Report Presentation Overall Work
2.0	**Skills**		
2.1	Implement a software system based on the project requirements and design specification.	Lecture Discussion	Report Presentation Overall Work
2.2	Apply advanced integration technologies to implement system integration solutions	Lecture Discussion Lab work	Written Exams Assignments Practical Exam
3.0	**Values**		

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
3.1	Evaluate criticize and defend the work accomplished in the project in writing visually and orally.	Lecture Discussion	Report Presentation Overall Work
3.2	defects and to assess system behavior against the original specification Work as part of a team and to demonstrate leadership qualities	Lecture Discussion	Report Presentation Overall Work

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Report	11	30%
2	Presentation	12	40%
3	Overall work	11	20%
4	Proposal	2	10%

***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	-
Essential References Materials	-

Electronic Materials	Presentations and recorded lectures
Other Learning Materials	-

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	• A Lecture room appropriate for maximum 25 students with a personal computer, a data show and a smart board. • A Lab room appropriate for maximum 15 students with a personal computer, a data show and a smart board.
Technology Resources (AV, data show, Smart Board, software, etc.)	Lab materials and required software
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	IT Department Council/ Executive program committee
Reference No.	11
Date	23/10/21443


قسم تقنية المعلومات
Information Technology
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TAIF UNIVERSITY
كلية الحاسبات وتقنية المعلومات
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