T-104
2022

Course Specification

Course Title:	**Digital Innovation and Emerging Technologies**
Course Code:	**IS1510**
Program:	**Computer Information Systems**
Department:	**Computer Information Systems**
College:	**Computer Science and Information Technology**
Institution: :	**AL-Baha University**
Version:	**T-104 V2**
Last Revision Date:	**29 March 2023**

Table of Contents:

A. General information about the course:

Course Identification					
1. Credit hours:	3 Credit Hours (3, 0, 0) (Lecture, Lab, Tutorial) (3 Contact Hours)				
2. Course type					
a.	University ☐	College ☐	Department☒	Track☐	Others☐
b.	Required ☒	Elective☐			
3. Level/year at which this course is offered:	9th level/ 3rd Year				
4. Course general Description	New CIS technologies are being used to change how organizations operate, produce products and services, and communicate both internally and as well as with external partners. This course is designed to introduce students to new and innovative technologies and examine how these powerful systems have fundamentally reshaped modern organizations along with our society. Using online collaborative technologies that were developed in the context of social networking and online communities, corporations are reengineering both internal business processes and those related to customers, suppliers, and business partners. It investigates the technologies, methods and practices of developing new innovations such as online communities, and how this knowledge and these skills are applied to re- engineer business processes. For example, how products, services and computer information systems are developed, and how geographically disperse virtual teams collaborate.				
5. Pre-requirements for this course (if any): None					
6. Co- requirements for this course (if any): None					
7. Course Main Objective(s)	The main objectives of this course are: - To describe how information systems have affected the environment for organizations, and how modern organizations operate in global environment. - To explain how advances in telecommunications technologies have changed the scope and pace of business. - To explain how social media has affected business practice To describe how the new knowledge-based economy has affected international relationships.				

1. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	30	100%
2.	E-learning		
3.	Hybrid ● Traditional classroom ● E-learning		
4.	Distance learning		

2. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	30
2.	Laboratory/Studio	-
3.	Field	-
4.	Tutorial	-
5.	Others (specify)	-
	Total	30

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Describe How information systems have affected the environment for organizations.	K1	- Lectures - Class discussions	- Quiz - Midterm - Final exam - Course Project
1.2	Describe How modern organizations operate in global environment.	K2		
1.3	Explain How advances in telecommunications technologies have changed the scope and pace of business.	K3		
2.0	Skills			
2.1	Explain How social media has affected business practice.	S1	- Lectures - Class discussions	- Quiz - Midterm - Final exam - Course Project
2.2	Recognize How social media and the pervasive computing has affected how business works.	S2		
2.3	Describe How the new knowledge-based economy has affected international relationships.	S3		
3.0	Values, autonomy, and responsibility			
3.1	Work both independently and collaboratively	V1	Teamwork (smaller group)	Oral Presentation
3.2	Demonstrate an ability to think creatively and innovatively about the future of the field of Digital Innovation and Emerging Technologies.	V4	Teamwork (smaller group)	Oral Presentation

C. Course Content

No	List of Topics	Contact Hours
1	Thinking about technology	3
2	Debating technology, 1960s style	3
3	Debating technology, twenty-first century style	3
4	Contemporary technological dilemmas: climate change	6
5	Contemporary technological dilemmas: the new biology	6
6	Contemporary technological dilemmas: telecommunications technology and information technology	6
7	Governance and globalization	3
Total		30

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1	Homework	Every two Weeks	10%
2	Midterm	5	20%
3	Quiz	9	10%
4	Final Exam	11	60%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	1. List Required Textbooks Technology and the Future, 12th Edition Albert H. Teich ISBN-10: 1111828547 ISBN-13: 9781111828547 368 Pages Paperback ©2013 Published Cengage
Electronic Materials	• Access to the Saudi Digital Library (SDL). • Using the learning management system of the university – Rafid System (https://lms.bu.edu.sa/).
Other Learning Materials	Non

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	A classroom or lecture hall with whiteboard for 25 students.
Technology equipment (projector, smart board, software)	- A digital image projection system with connection to desktop computer and laptop computer. - High speed Internet connection. - An instructor computer station.
Other equipment (depending on the nature of the specialty)	Depends on the requirement of Coordinator of the course

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	•Students •Faculty •Peer Reviewers •Program Leader •Course Coordinator	•Surveys (indirect). •Direct feedback from students. •Course evaluation by Peer Reviewers (indirect). •Class visit by Program Leader (indirect) •Comprehensive Course report (where we can find information about teaching difficulties and action plan, …)
Effectiveness of students assessment	•Students •Faculty •Peer Reviewers •Program Leader •Exam Evaluation Committee •Course Coordinator	•Surveys (indirect). •Direct feedback from students. •Course evaluation by Peer Reviewers (indirect). •Class visit by Program Leader (indirect) •Exam evaluation by the Exam Evaluation Committee (indirect)
Quality of learning resources	•Students •Faculty •Peer Reviewers •Course Coordinator	•Surveys (indirect) •Course evaluation by Peer Reviewers (indirect). •Comprehensive Course report (where we can find information about difficulties and challenges about learning resources as

Assessment Areas/Issues	Assessor	Assessment Methods
		well as consequences and action plan, …)
The extent to which CLOs have been achieved	• Faculty • Program Leader • Course Coordinator	• Student Results (direct) • Comprehensive Course report (where we can find the CLO assessment results)

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Curriculum Committee Meeting
REFERENCE NO.	
DATE	MARCH 30, 2023