Course Specification
(Bachelor)

Course Title:	Special Topics in Computer Science - 1
Course Code:	574CCS-3
Program:	Bachelor of Science in Computer Science
Department:	Department of Computer Science
College:	Computer Science and Information Systems
Institution:	Najran University
Version:	2.0
Last Revision Date:	August 2022

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A. General information about the course:

1. Course Identification

1. Credit hours: (3)					
3 (3, 0, 1) [Theory, Lab, Tutorial]					
2. Course type					
A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☒ Required		☐Elective		
3. Level/year at which this course is offered: (Level 9/Year 5)					
4. Course General Description:					
This course includes exposure to the latest topics in Computer Science. The topics are selected by the instructor of the course based on his knowledge of the latest developments in Computer Science along with the previous courses taken by the students. All topics of the course should be in one field that has been chosen in that semester.					
5. Pre-requirements for this course (if any)**:**					
None					
6. Co-requisites for this course (if any)**:**					
None					
7. Course Main Objective(s):					
Deal with modern subjects specialized in Computer Science that have not been addressed in previous courses and Keep students abreast of developments in the field of Computer Science.					

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	60	100%
2	E-learning		
3	Hybrid • Traditional classroom		

No	Mode of Instruction	Contact Hours	Percentage
	• E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	15
5.	**Others (specify)**	
Total		60

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

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Know the concepts and components of modern topics presented.	K_1	Lectures Lab demonstrations Case studies presentations	Written Exam Homework Assignments Lab assignments Class Activities Quizzes
1.2	Know the mechanism of work systems and ideas of the topics of the course.	K1		
1.3				
2.0	**Skills**			
2.1	Think of scientific methodology in the topics of the course.	S_1, S_2, S_4	Lectures Lab demonstrations Case studies Individual presentations Brainstorming	Quiz, midterm exam, final exam, Homework assignments Lab assignments
2.2	Offer solutions to the problems of the topics presented.	S1, S2		
2.3	Function most implementations in practice to make practical use of the topics discussed.	S1, S5		
2.4				
3.0	**Values, autonomy, and responsibility**			

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
3.1	Work in discussion groups and practice subject activities.	C1	Small group discussion Brainstorming Presentation	Group Lab Assignments Class Activities
3.2	Gain leadership skills in the implementation of the topics presented.	C1, C2		
3.3	Practice communication skills in writing and presenting the course project	C2		
3.4	Work as a team.	C1		

C. Course Content

No	List of Topics	Contact Hours
1.	To be decided by the course instructor	
2.	≈	
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
Total		60

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes	3rd and 6th week	10

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
2.	First Midterm Exam	9th week	20
3.	Assignments	4th and 7th week	10
4.	Presentation	8th and 14th week	10
5.	Final Theory Exam	16th or 17th week	50

*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	Depends on the topics selected
Supportive References	Depends on the topics selected
Electronic Materials	Depends on the topics selected
Other Learning Materials	Depends on the topics selected

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Lecture Rooms and lab with 30 seats.
Technology equipment (projector, smart board, software)	Desktop/ Laptop computer Multimedia Projector Smartboard
Other equipment (depending on the nature of the specialty)	

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Collecting students' suggestions to facilitate more during the class.	Students	Verbal discussion
Student's questionnaire once during the semester about course learning outcomes.	Students	Indirect Survey
Achievement percentage of course learning outcomes, direct evaluation using CLO assessment sheet	Course Instructor	Direct evaluation using CLO achievement calculation
Teaching strategies	Quality unit	Indirect
Assessment methods	Quality unit	Indirect

Assessment Areas/Issues	Assessor	Assessment Methods
Instructor performance	Quality unit	Indirect
Course content	Quality unit	Indirect

Assessors (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Computer Science Departmental Council
REFERENCE NO.	14440203-0185-00002
DATE	1st Sep, 2022