



# Course Specification

## (Bachelor)

**Course Title:** Selected Topics in CS

**Course Code:** CSC 1430

**Program:** Bachelor in Computer Science

**Department:** Department of Computer Science

**College:** Faculty of Computers and Information Technology

**Institution:** University of Tabuk

**Version:** 1.0

**Last Revision Date:** 27 July 2022

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## A. General information about the course:

### 1. Course Identification

1. Credit hours: 3

#### 2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others  
B. ☐ Required ☒ Elective

3. Level/year at which this course is offered: (Level 8/4<sup>th</sup> Year)

#### 4. Course general Description:

This subject focuses on selected topics in CS. The course teacher will select a trend topics in the domain of CS.

#### 5. Pre-requirements for this course (if any):

100 Credit Hours

#### 6. Co-requisites for this course (if any):

None

#### 7. Course Main Objective(s):

- It depends on the selected topics.

### 2. Teaching mode (mark all that apply)

| No | Mode of Instruction  | Contact Hours | Percentage |
|----|--|---------------|------------|
| 1  | Traditional classroom  | 45            | 100%       |
| 2  | E-learning   |               |            |
| 3  | Hybrid <ul style="list-style-type: none"> <li>• Traditional classroom</li> <li>• E-learning</li> </ul> |               |            |
| 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          |    |
| 5.    | Others (specify)  |    |
| Total |                   | 45 |

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

| Code | Course Learning Outcomes             | Code of PLOs aligned with program | Teaching Strategies | Assessment Methods |
|------|--------------------------------------|-----------------------------------|---------------------|--------------------|
| 1.0  | Knowledge and understanding          |                                   |                     |                    |
| 1.1  |                                      |                                   |                     |                    |
| 1.2  |                                      |                                   |                     |                    |
| 1.3  |                                      |                                   |                     |                    |
| 1.4  |                                      |                                   |                     |                    |
| 1.5  |                                      |                                   |                     |                    |
| 2.0  | Skills                               |                                   |                     |                    |
| 2.1  |                                      |                                   |                     |                    |
| 2.2  |                                      |                                   |                     |                    |
| 3.0  | Values, autonomy, and responsibility |                                   |                     |                    |
| 3.1  |                                      |                                   |                     |                    |
| 3.2  |                                      |                                   |                     |                    |

## C. Course Content

| No  | List of Topics | Contact Hours |
|-----|----------------|---------------|
| 1.  |                |               |
| 2.  |                |               |
| 3.  |                |               |
| 4.  |                |               |
| 5.  |                |               |
| 6.  |                |               |
| 7.  |                |               |
| 8.  |                |               |
| 9.  |                |               |
| 10. |                |               |
| 11. |                |               |
| 12. |                |               |
| 13. |                |               |
| 14. |                |               |





|       |  |    |
|-------|--|----|
| 15.   |  | 3  |
| 16.   |  | 3  |
| Total |  | 45 |

#### D. Students Assessment Activities

| No | Assessment Activities * | Assessment timing (in week no) | Percentage of Total Assessment Score |
|----|-------------------------|--------------------------------|--------------------------------------|
| 1. | Midterm Test-1          | 5 - 6                          | 20 %                                 |
| 2. | Midterm Test-2          | 11 - 12                        | 20 %                                 |
| 5. | 2 quizzes               | 5- 10                          | 20%                                  |
| 6. | Final Exam              | 16-17                          | 40 %                                 |

\*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     | • |
| Supportive References    | • |
| Electronic Materials     |   |
| Other Learning Materials |   |

##### 2. Required Facilities and equipment

| Items  | Resources   |
|--|---|
| <b>facilities</b> (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.) | Classrooms<br>Others based on the selected course |
| <b>Technology equipment</b> (projector, smart board, software)                         | Data Show   |
| <b>Other equipment</b> (depending on the nature of the specialty)                      | Based on the selected course                      |

#### F. Assessment of Course Quality


| Assessment Areas/Issues                     | Assessor  | Assessment Methods                            |
|---|---|---|
| Effectiveness of Teaching                   | Faculty, Program Leaders, and Advisory Board                      | Both Direct and Indirect                      |
|   | Students  | Indirect                                      |
| Effectiveness of Students Assessment        | Faculty, Program Leaders, Advisory Board, and Independent Opinion | Both Direct and Indirect                      |
| Quality of Learning Resources               | Faculty, Students, and Advisory Board                             | Indirect                                      |
| The Extent to which CLOs have been Achieved | Faculty, Program Leaders, Advisory Board, and Independent Opinion | Direct (as in section B) and Indirect/Surveys |
|   | Students  | Indirect                                      |

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

**Assessment Methods** (Direct, Indirect)



## G. Specification Approval

|                    |  |
|--------------------|--|
| COUNCIL /COMMITTEE | DR. MOHAMMED MUSTAFA ALI,<br>CHAIR OF CS PROGRAMS AND STUDY PLANS COMMITTEE        |
| REFERENCE NO.      |  |
| DATE               |  |

