# King Saud University

**College of Applied Studies & Community Services**

# Program of Natural and Engineering Sciences

## CT1315– Project (1)

**Semester I, Academic Year 2020-2021**

Course Syllabus

### Course Identification and General Information:

|  |  |
| --- | --- |
| **Course Title: Project (1)** | **Course Code: CT 1315** |
| **Course Level: Third** | **Course Co-requisite: CT1311 + CT1312** |
| **Lecture Time:** | **Credit Hours: 2 (1+2+0)** |

1. **Faculty Member Responsible for the Course:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Rank** | **Office Number and Location** | **Email Address** |
| **Nuha Alrowais** | **Lecturer assistant** | **Building 1 First floor****Room 254** | **nalrowais@ksu.edu.sa** |

**Office hours:**

## Sunday: 12- 1

### Course Description:

Students’ preparation and qualification to perform scientific and technical tasks that are related to third level subjects.

### Course Objectives:

* + To make student able to develop state of the art software.
	+ To perform scientific and technical tasks that are related to third level subjects.
	+ To give student a comprehensive understanding in database and programming languages.
	+ To give them ability to develop solutions for real life problems.

### Relationship of Course to Program Outcomes:

|  |  |  |
| --- | --- | --- |
| **Outcome** | **Outcome Description** | **Contribution** |
| **(a)** | Research, develop and document solutions for real life problems. |  |
| **(b)** | Apply basic skills learned in the program. |  |
| **(c)** | Understand and apply the skills of data gathering and analysis. |  |
| **(d)** | Understand and discuss the needs of society. |  |
| **(e)** | Communicate effectively. |  |
| **(f)** | Work independently and within a team. |  |
| **(g)** | Understand professional and ethical responsibility. |  |

1. **Learning Outcomes:**
	1. **Knowledge and Understanding:**

**The student will gain knowledge and understanding of:**

* + - know the steps to develop a solution for a real life problem.
		- know the main skeleton for reporting and documentation.
		- know the basic skill of presentation

### Cognitive Skills (Thinking and Analysis): The student should be able to:

1. The skill to find the main idea and to find specific information.
2. By listening them more and more to increase their creativity, and guiding them wherever they deviate.
3. To make them able to search for the required information from search engines and other resources.

### Interpersonal Skills and Responsibility: The student should be able to:

1. Preset and presents solutions for real life problems.
2. Manage time carefully.
3. Negotiate in a scientific organization.
	1. **Communication, Information Technology and Numerical Skills**
		* Organise presentation sessions.
		* Group discussion.
		* Project assignment
		* Seminars.

### Methods of Assessment:

|  |  |
| --- | --- |
| **Assessment Instruments** | **Mark** |
| Weekly meeting | 10 |
| Presentation | 20 |
| Report | 40 |
| Program | 30 |
| **Total** | **100** |

1. **Course Policies:**

Reports assignments are considered individual efforts. However, students are encouraged to share thoughts with others. Absolutely no copying and no plagiarism. Copyright should be respected. Academic dishonesty cases will be dealt with severely.

1. **Course Academic Calendar**

|  |  |
| --- | --- |
| **Week** | **Basic and support material to be covered** |
| (1-3) | Preliminary investigation and feasibility study |
| (4-6) | Analysis and Design |
| (7-10) | Implementation and Development |
| (11-12) | Testing and debugging |
| (14) | Final preparation of project report |

1. **Expected Workload:**

On average students need to spend weekly 2 hours of study and preparation for each 50-minute lecture/tutorial.

### Attendance Policy:

Absence from lectures and/or tutorials shall not exceed 25%. Students who exceed the 25% limit without an accepted medical or emergency excuse shall not be allowed to take the final examination and shall receive a grade of “DN” for the course.