Course Specification
— (Bachelor)

Course Title: Computer Aided Design I

Course Code: DEG 110

Program: Architecture

Department: Architecture

College: Architecture and Planning

Institution: Qassim University

1. Course Identification

Course general Description:

Introduction to the fundamentals of Computer Aided Design, beginning with simple drawing commands in a suitable common industrial grade computer software, in addition to standard drafting methods to produce technical and standard 2D architectural drawings.

Course Main Objective(s):

- To introduce the world of digital architecture, and to present a general knowledge about computer uses in architecture.
- To develop the students' skills of efficient use of 2D CAD tools (latest version of a common industrial grade computer software) in both architectural design and detailing.
- To familiarize the students to CAD as a step towards learning BIM.
- To improve students' ability to initiate, execute and finalize a computerized project.

2. Course Learning Outcomes (CLOs)

Code	Course Learning Outcomes	Code of CLOs aligned with program
1.0	**Knowledge and understanding**	
1.1	Compare CAD, BIM, and other digital applications	K-1
1.2		
2.0	**Skills**	
2.1	Use CAD software to generate architectural drawings.	S-4
2.2	Modify digital drawing for different purposes.	S-4
2.3	Manage CAD outcomes efficiently.	S-4
3.0	**Values, autonomy, and responsibility**	
3.1		

3. Students Assessment Activities

No	Assessment Activities *
1.	Practical assignments
2.	Mid-term exam
3.	Final Exam

4. Learning Resources and Facilities

Essential References	AutoCAD 2019 Instructor: A Student Guide for In-Depth Coverage of AutoCAD's. By: James Leach, Shawna Lockhart, Eric Tilleson
Supportive References	_
Electronic Materials	_
Other Learning Materials	Autodesk website & AutoCAD 2019 help files