COURSE SYLLABI

Course number and name	AE212-3 Introduction to Architectural Design
Credits hours	3 Credit hours
Contact hours	3 Contact hours; 1 for lecture, 4 for Tutorials and 0 for practical
Instructor name	Eng. Khaled Kurdi
Textbook	K., Ching Francis D. Architectural Graphics. Wiley, 2015.
Other supplemental materials	-Saudi Digital Library through the following link: https://sdl.jazanu.edu.sa/ -the provided student services,:https://www.jazanu.edu.sa/stuservices-2-2 - Ernest Neufert, Architects' data , 5th edition , New York 2019.
Specific course information	
Catalog description	This course aims at Developing the student imaginative spatial capabilities, teaching the student to define and imaging a three dimensional objects – teaching student basic hatching principles, of points, planes and bulk objects – the inverted isometric – by manual skills – Training the student to draw isometric and geometric projections (plans, facades, sections) - on designing a simple architectural project (Chalet, lounge, university entrance, ...)- to solve a simple design problem - training the student on the method of working the geometric perspective, so that the student can draw blocks and hand objects with real proportions that can be expressed in Design stage.
Prerequisite	AE111-3
Required / Elective	Required
Specific goals for the course	
Course Learning Outcomes (CLO)	By the end of this course, the student should be able to: CLO 1: Apply the fundamental of Arch. Engineering geometries projection (SO1) CLO 2: Design & Organize architectural spaces to form its function (SO2) CLO 3: Develop an effective technique to present arch. drawings (SO3) CLO4: Acquire & use new knowledge for practicing Architectural engineering (SO7)
Student outcomes that addressed by the course	The following student outcomes are addressed by the course: SO1: An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics. SO2: An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors. SO3: An ability to communicate effectively with a range of audiences.

	SO7: an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.
List of topics to be covered	1 .Introduction about perspective – One-point perspective 2 .One-point perspective 3 .Two-point perspective 4 .Introduction to the project 5 .The design concept 6 .Upgrading the design concept 7 .Upgrading of the Plans 8 .Elevations 9 .Sections 10. Drawing of perspective

CLO-SO Map							
SOs / CLOs	SO1	SO2	SO3	SO4	SO5	SO6	**SO7**
CLO 1	√						
CLO 2		√					
CLO 3			√				
CLO 4							√
CLO 5							