COURSE SYLLABI

Course number and name	AE 111-3 Fundamental of Design and drawing
Credits hours	3 Credit hours
Contact hours	6 Contact hours; 1 for lecture, 4 for Tutorial and 1 for practical
Instructor name	Eng. Khalil Mohammed T Salami
Textbook	- Francis D. K. Ching, Architectural Graphics, 6th Ed [2015] - Francis D. K. Ching, Design Drawing, 3rd Ed [2019]
Other supplemental materials	- Saudi Digital Library through the following link: https://sdl.jazanu.edu.sa/ - Ching, Francis. Architectural Graphics. John Wiley & Sons, Inc: Now York, 3rd edition 2019. procurement system. - Porter, Tom & bob Green street. Manual of Graphics Techniques (1.2.3). Butterworth Architecture: London, 2017. - Wong Wucius, Principles of Tow Dimensional Design. Van Nostrad Reinhold Co., NY, 2010 - Lecture notes
Specific course information	
Catalog description	The course initially introduces the role of Architectural Engineers in the process of building design, systems integration, construction, and operation. Graphical representation methods and techniques in architectural design and presentation are introduced. Drawing tools and materials; architectural drafting conventions; orthographic projections and views, their types and use in building presentation. Shades and shadows techniques. Freehand sketching and model-making techniques.
Prerequisite	Engineering Drawing Eng111
Required / Elective	Required
Specific goals for the course	
Course Learning Outcomes (CLO)	By the end of this course, the student should be able to: CLO1: Explain the rules and the basics of engineering and architectural drawing (SO1) CLO2: Measure the student's ability on the configuration and composition (SO1) CLO3: Calculate the form of the standard shadow horizon and vertical shapes and architectural engineering. (SO1) CLO4: Develop capacity of visual contact and creative expression in the pre-design (SO2) CLO5: Evaluate what student has learned in the expression and presentation of architectural projects. (SO2)
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.
List of topics to be covered	Basics of Engineering Drawing. Visual Training &Freehand Drawing. Shed and Shadow in Architecture. Appling on Simple project.

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