

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري لمادة الرسم الهندسي

	Material Covered
Week 1	Explanation of the vision and mission of the college, and the objectives and outcomes of learning the subject.
Week 2	Introduction to the subject: basics of engineering drawing and the difference between it and free drawing: Engineering drawing, its elements, tools and drawing methods. Introducing students to paper scales and drawing boards. Free hand drawing (lines, circles, ...etc)
Week 3	Distribute the canvas (frame, table, etc.) Types of lines in engineering drawing Rules for writing dimensions and measurements and recognizing symbols and their significance. Drawing scales (zoom in and zoom out)
Week 4	Construction and engineering operations: Create and divide angles, Divide circles and draw regular shapes in them. Create connecting lines between arcs and circles
Week 5	Drawing engineering perspectives, Types of engineering perspectives and its construction from projections.
Week 6	Perspective constructions (drawing 3D solids (isometric perspective).
Week 7	Projection in orthogonal planes, vertical projection methods, Drop geometric shapes
Week 8	Distribution of projections on the drawing board, Conclusion of the third projection from two projections
Week 9	Inferring the isometric perspective from projections with dimensions.
Week 10	Single simple geometric objects.
Week 11	Review on the above: Mid exam
Week 12	Single complex geometric objects.
Week 13	Sectors in engineering drawing, their importance, Cutting, sector, and hatching levels Types of sectors and their classification
Week 14	Learn about drawings in all their parts and how to draw them
Week 15	Review on the above:
Week 16	Preparatory week before the final Exam