Course Description Form

١. Course Name:
Engineering Drawing
٢. Course Code:
INGR٢٤٥
٣. Semester / Year:
Second semester (spring)/٢٠٢٤-٢٠٢٥
٤. Description Preparation Date:
١/٩/٢٠٢٤
٥. Available Attendance Forms:
Combined (Attendance + distance education)
٦. Number of Credit Hours (Total) / Number of Units (Total)
٤٥ practical hours / ١,٥ units
٧. Course administrator's name (mention all, if more than one name)
Name: Saleh Sabri Ali Email: ssah69@uomosul.edu.iq
٨. Course Objectives

Course Objectives	– Graduating agricultural engineers and researchers to serve the agricultural sector. - Scientific cooperation with agricultural directorates and other parties with the aim of improving agricultural production in quantity and quality. - Investing in modern technology in the field of engineering drawing in order to develop education, traini and research programmes. - Qualifying students to work according to the modern production system that relies on computers and information technology to operate. - Preparing an advanced technical staff in the field of engineering design and drawing to meet the needs of society.

٩. Teaching and Learning Strategies

Strategy	

جامعة الموصل
كلية الزراعة والغابات
قسم علوم الاغذية

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3 Practical	a1:: Identify engineering drawing and its importance to the agricultural sector	An overview of the importance of engineering drawing and its relationship to agriculture	Practical lectures	Class and home assignments
2	3 Practical	b1: Identify the tools used in engineering drawing and the skills to use them practically	Engineering drawing tools and their uses	Practical lectures	Class and home assignments
3	3 Practical	b2: The student draws the frame, key of the painting, and how to write letters and numbers	Explain the dimensions of the painting And the information key And writing letters and numbers	Practical lectures	Class and home assignments
4	3 Practical	b3: Drawing types of lines And its uses in basic engineering processes	Types of geometric lines and their uses in engineering drawing	Practical lectures	Class and home assignments
5	3 Practical	b3: Drawing applied geometric shapes on arcs and tangents	Basic engineering processes (arcs and tangents)	Practical lectures	Class and home assignments
6	3 Practical	b3: Providing the student with skills handmade by drawing practical applications	Practical applications on Lines and arcs	Practical lectures	Class and home assignments
7	3 Practical	a2: Recognize the concept engineering projections and their types and its uses	Engineering projections	Engineering drawings that include the previous topics	Class test
8	3 Practical	b3: Providing the student with skills individual drawing of projections isometric engineering	Engineering projections Isometrics	Practical lectures	Class and home assignments
9	3 Practical	b3: Draw and conclude the third project in terms of two projections drawn with a goal developing the student's conceptual ability	Conclusion of the third projection in terms of the other two projections	Practical lectures	Class and home assignments
10	3 Practical	b3: Test and determine level the skills acquired by each student	First monthly exam	Engineering drawings Applied	Class test
11	3 Practical	b2: Recognize the concept geometric perspective and its types	Engineering perspective (isometric)	Practical lectures	Class and home assignments
12	3 Practical	b3: test the conceptual faculty for the student and its relationship to the subject of drawing geometric perspective	Applied drawings on engineering perspective	Practical lectures	Class and home assignments

١. Course Evaluation

Seq.	Evaluating style	date	marks	Relative weight
١	Home works	Practical: week ١-١٤	١٠	١٠%
٢	Monthly test ١	Week:٧	١٠	١٠%
٣	Monthly test ٢	Week:١٥	١٠	١٠%
٤	Class assignments	Week:١-١٤	١٠	١٠%
٥	practical test	The week of the practical exam	٢٠	٢٠%
٦	Final practical test	The week of the Practical exam	٤٠	٤٠%
	the total		١٠٠	١٠٠%

١١. Learning and Teaching Resources

Required textbooks (curricular books, if a	Engineering drawing for agricultural college students, Dr. Nateq Sabri Hassan, ١٩٩٠.
Main references (sources)	Engineering drawing, Abdul Rasul Al Khafaf ١٩٩٠.
Recommended books and references (scientific journals, reports...)	Textbook of Engineering Drawing k. Venkata Reddy, ٢٠٠٨
Electronic References, Websites	https://www.youtube.com

Instructor of theoritical part

Salih sabri ali

Chairman of the scientific committee

Dr. Taha.M.Taqi

Head of the department of Food science

Prof. Dr. Sumaya khalaf badawi

الاستاذ المساعد الدكتور
طه محمد تقي محمد

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