

Flow up of implementation celli pass play

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Title	e and machineryAgriculture machin				
Course Coordinator	Spring				
Course Objective	Identify the sources of power Introduction to Agricultural machinery				
Course Description	Everything related to the types, components, and using of agricultural machinery in field				
Textbook	gricultural Machinery 2009Ag Engines and Agriculture machine 2000				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	(25%)	(15%)			(60%)
General Notes					

Course weekly Outline

Notes	Lab	Lecture	Date	Week
	Important definitions and basic concepts in the sciences that	General definitions and basic concepts in agricultural machinery	2024/2/25	1
	Sources of movement, tools and methods for transporting them in	Methods of movements transportation	2024/3/3	2
	Components of the agricultural tractor and its function.	Agricultural tug (definition - general description - function types)	2024/3/10	3
	Components of agricultural tractors, the function and	The main parts of an agricultural tractor	2024/3/17	4
	The basis of the engine's operation, its fixed and	Engine, general description - fixed and moving parts	2024/3/24	5
	Parts of the system, methods of operation and types	Fuel system (diesel - gasoline)	2024/3/31	6
	Parts of the system, methods of operation and types	Oil system (types - parts) Benefits of oil	2024/4/7	7
	Parts of the system, methods of operation and types	Cooling system (water cooling - air cooling)	2024/4/14	8

	The parts of the devices, the function of each part, and the mathematical relationships in converting speeds between these devices	Transmission devices (clutch - gearbox - differential - final transmission)	2024/4/21	9
	Introduction to the hydraulic system, power transmission devices to agricultural machinery, and methods of connecting them	Hydraulic system in agricultural machines, their types in terms of the method of connection with the tug	2024/4/28	10
	Definition of equipment, its types, parts, methods of maintenance, and the most important mathematical relationships to calculate its productivity	Primary and secondary soil preparation equipment	2024/5/5	11
	Definition of equipment, its types, parts, methods of maintenance, and the most important mathematical relationships to calculate its productivity	Fertilization equipment	2024/5/12	12
	Definition of equipment, its types, parts, methods of maintenance, and the	Irrigation equipment and methods	2024/5/19	13

	most important mathematical relationships to calculate its productivity			
	Definition of equipment, its types, parts, methods of maintenance, and the most important mathematical relationships to calculate its productivity	Plant protection equipment	2024/5/26	14
break				