

John Deere Agricultural Equipment Technology		Course Program Map									
Program Outcomes: Upon completion of the program, graduates will be able to...	Institutional Skills	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods and Techniques testing.
Courses											
JDAT 102 Agricultural Powertrains I		IRA	IRA	IRA		IR	IR	IRA	I	IR	
JDAT 103 Agricultural Hydraulics I		IRA	IRA	IRA		IR	IRA	IR	I	IR	I
JDAT 1043 Agricultural Electrical I		IR	IRA	IR		IRA	IRA	IR		IR	I
INPR 1511 Orientation & Safety			I					IRMA	IRMA		
JDAT 112 Information Management Systems	C	IR	IRA	IRA	IRA	IRA	IRA	IR	R	IRMA	I
JDAT 122 Agricultural Powertrains II		IRA	IRA	IRA		IR	IR	IRA	IRA	IR	
JDAT 123 Agricultural Hydraulics II		IRA	IRA	IRA		IR	IRA	IR	I	IR	IR
JDAT 124 Agricultural Electrical II		IRA	IRA	RA		RA	IRA	RA	IRA	IR	IR
JDAT 105 John Deere Air Quality Systems		IRA	IRA	IRA	IRA	IRA	IRA	IRA	IRA	R	
JDAT 107 Dealer Internship I	CW	IR	IR	IR	IRA	R	RMA	RMA	R	IR	
JDAT 202 Engines	P	IRA	IRMA	IRMA	I	IRMA	IRMA	IRMA	RMA	RMA	MA
JDAT 203 Agricultural Fuel Systems & Performance	P	IRA	IRA	IRA	IRA	IR	I	IRA	RA	RA	
JDAT 109 Harvesting Equipment		IRA	IRA	IRMA	IRA	IRA	IRMA	IR		IRA	
JDAT 108 Dealer Internship II	CPW	IR	IR	IR	IRMA	R	RMA	RMA	R	IR	
JDAT 120 Special Topics in Agricultural Technology	P	IRMA	IRMA	IRMA	IR	RMA	IRMA	R	R	RMA	MA
JDAT 213 Agricultural Hydraulics III	P	IRMA	IRMA	IRMA	I	RMA	RMA	RMA	MA	MA	MA
JDAT 214 Electrical III	P	RM	MA	MA		MA	RMA			IR	MA
INPR 125 Intro to Manufacturing Welding						IR		IR			

Mapping	
I	Introduced
R	Reinforced
M	Mastered
A	Assessed/Artifact

Essential Skills	
1	written communication
2	oral communication
3	critical thinking
4	cultural diversity
5	social responsibility

Employability Skills	
C	communication
P	problem solving
W	work ethic

JDAT 102 Agricultural Powertrains I	Curriculum Map									
Program Outcomes	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
Course SLO: Students will be able to										
understand the theory of power-train systems.	I	I	IR						IR	
explain the theory of operation of mechanical, partial-powershift, full-powershift, and infinitely variable transmissions.	I	IR	IRA			I			IR	
disassemble, and reassemble various power-train systems.	IR	IR	IRA		IR	IR	IR		IR	
demonstrate understanding of final drive systems and various final drive and differential systems, disassemble, and reassemble various brake (wet and dry),	IRA	IRA	IR		IR	IR			IR	
demonstrate knowledge of safety skills and procedures of basic machine operation and diagnostics.	IRA	IRA	IRA		IR	I	I	I	IR	

JDAT 103 Agricultural Hydraulics I	Curriculum Map									
Program Outcomes	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
Course SLO: Students will be able to										
calculate hydraulic pressure and flow using Pascal's law.	IR	IR	IR		IR	IR	IR		IR	I
demonstrate the theory of operation of an open and closed center hydraulic system.	IRA	IRA	IRA			IR			IR	I
demonstrate the theory of hydraulic pump and motor operation.	IRA	IRA	IRA			IR			IR	I
disassemble and repair a hydraulic component following tech manual instructions and specifications.	I	I	I		I	IR				I
utilize a flow meter and test gauges to measure performance in a hydraulic system.	IRA	IR	IRA		IR	IRA	IR		IR	I
identify the symbols on an ISO hydraulic diagram and locate the components on equipment.	I		IR		I	IR				I
demonstrate safe work practices.		I			IR		IR	I		

JDAT 104 Agricultural Electrical I	Curriculum Map									
Program Outcomes	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
Course SLO: Students will be able to										
demonstrate safe work practices.	I				IR	IR	IR			
use Ohm's Law to demonstrate / predict DC electrical behavior.	I		IR			IRA				I
to measure voltage and current flow in electrical circuits using a DVOM.	IR	IR	IR		IR	IRA				I
recognize and test electrical components and devices.	I	IR	IR		IR	IRA	IR		IR	I
identify symbols on electrical schematics and locate components on equipment.	I	IR	IR		IR	IRA				I
follow diagnostic and repair procedures.	I	IR	IR		IR	IRA			IR	I

INPR 1511 Orientation & Safety	Curriculum Map									
<p style="text-align: center;">Program Outcomes</p>	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
<p>Course SLO: Students will be able to demonstrate proper safety techniques.</p>							IR	I		
<p>demonstrate an understanding of a wide variety of topics depending on what needs to be taught during each class.</p>							RMA	RMA		
<p>demonstrate knowledge of OSHA-10 safety compliance</p>							IRMA	IRMA		

JDAT 112 Information Management Systems	Curriculum Map									
Program Outcomes	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
Course SLO: Students will be able to										
demonstrate proper safety techniques.					IR		R	R		I
demonstrate an understanding of a wide variety of John Deere information management systems.	IR	IRA	IRA	IR	IRA	IRA			IRMA	I
demonstrate the proper use of Service Advisor on a variety of equipment, including but not limited to, pulling codes, doing regenerations and engine active tests.	IRA	IRA	IRA	I	IRA	IRA	IR		IRA	I

JDAT 122 Agricultural Powertrains II	Curriculum Map									
Program Outcomes	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
Course SLO: Students will be able to										
demonstrate understanding the theory of power-train systems.	I	I	IR						IR	
demonstrate the diagnosis of mechanical, partial powershift, and full powershift transmissions.	I	IR	IRA			I			IR	
diagnose, disassemble, and reassemble various power-train systems.	IR	IR	IRA		IR	IR	IR		IR	
demonstrate the theory of operation of brakes.	IR		IR			I				
diagnose, disassemble, and reassemble various brakes.	IRA	IR	IR		IR	I				
demonstrate the diagnostics of final drive systems and various final drive and differential systems.	IRA	IRA	IRA		IR	I			IR	

JDAT 123 Agricultural Hydraulics II	Curriculum Map									
Program Outcomes	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
Course SLO: Students will be able to										
demonstrate the theory of diagnostics of an open and closed center hydraulic system	IRA	IRA	IRA			IR			IR	IR
demonstrate the disassembly and assembly of hydraulic pump and motor operation.	IRA	IRA	IRA			IR			IR	IR
diagnose problems of an open and closed center hydraulic system.	IR	IR	IR		IR	I			IR	IR
diagnose and repair a hydraulic component following tech manual instructions and specifications.	I	I	I		I	IR				IR
utilize a flow meter and test gauges to diagnose failures in a hydraulic system.	IRA		IRA			IRA	IR		IR	IR
describe the symbols on an ISO hydraulic diagram and locate the components on equipment.	I		IR			IR				IR

JDAT 124 Agricultural Electrical II	<i>Curriculum Map</i>									
Program Outcomes	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
Course SLO: Students will be able to										
formulate safe work practices.	RA	IR	RA		RA		RA	IRA		
demonstrate competency of digital multi-meter usage.	IR	IRA			IRA	IRA				IR
use Ohm's Law to interpret DC electrical behavior.	IR		IR			IRA				IR
recall testing procedures for common electrical components.	IR	IR	IR		IR	IRA				IR
follow and explain diagnostic and repair procedures.	IR	IR	IR		IR	IRA			IR	IR
interpret symbols on electrical schematics and locate components on equipment.	RA		RA		RA	IRA				IR

JDAT 105 John Deere Air Quality Systems	Curriculum Map									
Program Outcomes	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
Course SLO: Students will be able to										
charge and verify proper operation of various refrigerant systems.	IRA	I R A	IRA	IRA	IRA	IRA	IRA	IRA	RA	
demonstrate the safe handling of refrigerants.	IRA	I R A	IRA	IRA	IRA	IRA	IRA	IRA	RA	
use test gauges and thermometers in measuring the performance of the HVAC system.	IRA	I R A	IRA	IRA	IRA		IRA	IRA	RA	
explain the theory of operation of HVAC systems.	IRA	I R A	IRA	IRA			IRA	IRA	RA	
perform tests, repairs, and retrofit procedures.	IRA	I R A	IRA	IRA	IRA	IRA	IRA	IRA	RA	
describe the fundamentals of operation of a mobile HVAC system.	IRA	I R A	IRA	IRA			IRA	IRA	RA	

JDAT 107 Dealer Internship I	<i>Curriculum Map</i>									
Program Outcomes	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
Course SLO: Students will be able to										
demonstrate proper safety techniques.		R			R	RMA	RMA	R	IR	
demonstrate an understanding of theory of powertrain, electrical and hydraulic systems.	IR	IR	IR		R	RMA			IR	
explain theory of operation of powertrains, electrical systems and hydraulic systems.	IR	IR		IR		RMA			IR	
diagnose, disassemble and reassemble various powertrains, electrical systems and hydraulic systems.	R	IR	R		R	RMA			IR	

JDAT 202 Engines	Curriculum Map									
Program Outcomes	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
Course SLO: Students will be able to										
disassemble and reassemble an engine using recommended procedures.		IR	IRMA	I	IRMA	IR	IRMA	RMA	RMA	
describe the theory of operation of an internal combustion engines.	IR	IRA	IRA		IRMA	IRMA			RMA	
utilize a dynamometer to measure engine performance and diagnostic testing procedures.	IR	IR			IRMA	IRMA	MA		RMA	
properly diagnose engine performance issues.	IR		RMA		IRMA	IRMA			RMA	
demonstrate theory of repair for a variety of engines.	A	MA	A			A			RMA	MA

JDAT 203 Agricultural Fuel Systems & Performance	Curriculum Map									
Program Outcomes	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
Course SLO: Students will be able to										
describe the theory of operation of various types of fuel systems.	IR	IRA	IR	IR	IR	I	IRA	RA	RA	
perform diagnostic and repair procedures on various fuel systems.	I	IR	IRA	IR	IR	I	IRA	RA	RA	
prove knowledge of the legal limitations with respect to repairing fuel systems and Emission systems.	IRA	IRA	IRA	IRA	IR	I	IRA	RA	RA	
describe the theory of operation for all tiered emission systems.	IRA	IR	IR	I	IR	I	IRA	RA	RA	
perform diagnostic and repair procedures on tiered emission systems.	IRA	IR	IR	I	IR	I	IRA	RA	RA	

JDAT 109 Harvesting Equipment	<i>Curriculum Map</i>									
Program Outcomes	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
Course SLO: Students will be able to										
demonstrate safe work practices.		IR					IR			
describe the fundamentals of various harvesting systems.	IRA	IRA		IRA	IRA	IRA			IRA	
operate a combine and change platforms as needed.										
perform maintenance, diagnostic, and repair procedures on various harvesting equipment.	IRA	IRA	IRA		IRA	IRA	IR			
set up and adjust harvesting equipment prior to and in-field use to optimize performance according to conditions.	IRA	IRA	IRA		IRA	IRMA	IR			

JDAT 108 Dealer Internship II	Curriculum Map									
Program Outcomes	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
Course SLO: Students will be able to										
demonstrate proper safety techniques.		R		MA	R		RMA	R	IR	
demonstrate an understanding of theory of powertrain, electrical and hydraulic systems.	IR	IR	IR	MA	R	RMA			IR	
explain theory of operation of powertrains, electrical systems and hydraulic systems.	IR	IR		MA		RMA			IR	
diagnose, disassemble and reassemble various powertrains, electrical systems and hydraulic systems.	R	IR	R	MA	R	RMA			IR	

JDAT 120 Special Topics in Agricultural Technology	Curriculum Map									
Program Outcomes	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
Course SLO: Students will be able to										
demonstrate proper safety techniques.		RMA			RMA		R	R	RMA	
illustrate the theory of operation of mechanical, powershift and infinitely variable transmissions.			IR		RMA	IRMA				
diagnose, disassemble and reassemble various powertrain systems with proper summarization of failures.	RMA		RMA	R	R	MA	R		R	MA
explain theory of an Exactemerge Planter system.	IR	I	IRMA		RMA	IR			R	

JDAT 213 Agricultural Hydraulics III	Curriculum Map									
Program Outcomes	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
Course SLO: Students will be able to										
demonstrate adequate knowledge of safety skills and procedures of basic machine operation.	RMA	RMA			IR	RMA	RMA	RMA		MA
illustrate the theory of operation and diagnosis of open center and closed center systems.	IRA	IRA	IRA	I	RMA	MA			IRM	MA
demonstrate the theory of operation and diagnosis of a hydraulic pump and motor operation.	IRA	IRA	IRA	I	RMA	MA			IRM	MA
disassemble and repair hydraulic components using technical manual instructions and specifications with summarizations for the failure.	IRA		RMA		RMA	MA	R		R	MA
utilize a flow meter and test gauges to analyze performance of hydraulic systems.	RA	RA	RA		RMA	RMA	MA	R	R	MA
interpret symbols on an ISO hydraulic diagram and locate the components on equipment.	IRA		RMA							MA

JDAT 214 Electrical III	Curriculum Map									
Program Outcomes	diagnose mechanical malfunctions and performance problems and make necessary repairs.	operate precision John Deere diagnostic and repair equipment.	interpret repair manuals and computer-based programs dealing with specifications and repair procedures.	practice customer service skills with customers, employer and fellow employees.	use tools and equipment found in a John Deere repair shop.	diagnose and service a variety of John Deere systems including electrical, engines, transmissions, and harvesting equipment.	follow established procedures for safety and accident prevention in the John Deere service facility.	describe the purpose of the laws concerning personal and environmentally safe handling of hazardous waste.	define information that should be completed on repair orders, accurately describing customer issues in pursuit of a satisfactory repair.	pass Methods & Techniques testing.
Course SLO: Students will be able to										
have an adequate knowledge of safety skills and procedures of basic machine operation.						MA	MA		A	
measure and interpret voltage and current flow in electrical circuits.	MA		MA		MA	MA			A	MA
recognize and test electrical components and devices using a DVOM and analyzing the information given.	MA	MA	MA		MA	MA			A	MA
identify and describe symbols on electrical schematics and locate components on equipment.			MA		MA	MA			A	MA
explain and generate published diagnostic and repair procedures.			MA	MA					A	

