

# SLO Performance - By Department, Course, CSLO

Program: Mechanized Agriculture

Date: 06/18/2018

Terms: Summer 2018, Spring 2018, Fall 2017

## MCAGB10: Farm Power Operation

**Upon completion of the course, the student will be able to develop a general understanding of the parts and systems of farm power equipment and create a maintenance program to keep the equipment functioning properly.**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	2	14.29%	11	78.57%	1	7.14%	14	100.00%
Totals	0	0.00%	2	14.29%	11	78.57%	1	7.14%	14	100.00%

**Upon completion the student will be able to: Evaluate tasks to be performed, select proper equipment needed and operate it to safely to perform needed tasks.**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	14	100.00%	0	0.00%	14	100.00%
Totals	0	0.00%	0	0.00%	14	100.00%	0	0.00%	14	100.00%

**Upon completion the student will be able to: Communicate to others in the field and work cooperatively to meet required tasks.**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	14	100.00%	0	0.00%	14	100.00%
Totals	0	0.00%	0	0.00%	14	100.00%	0	0.00%	14	100.00%

**Totals for CSLOs**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	2	4.76%	39	92.86%	1	2.38%	42	100.00%
Totals	0	0.00%	2	4.76%	39	92.86%	1	2.38%	42	100.00%

**MCAGB11: Farm Power Diesel Repair**

**1. Upon Completion of the course, the student will be able to communicate basic diesel engine principles**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

**3. Upon Completion of the course, the student will be able to measure serviceable engine components, and compare them to manufacturers specifications**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

**Upon completion the student will be able to: Demonstrate troubleshooting and operation of a diesel engine**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>

**Totals for CSLOs**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>

**MCAGB11: Introduction to Diesel Engine Repair**

**1. Upon Completion of the course, the student will be able to communicate basic diesel engine principles**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>

**2. Upon Completion of the course, the student will be able to identify diesel engine parts and components**

CSLO not included in any Assessment Rubric

**3. Upon Completion of the course, the student will be able to measure serviceable engine components, and compare them to manufacturers specifications**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>

**Totals for CSLOs**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>

**MCAGB12: Advanced Diesel Engine Repair**

**1. Upon completion of the course, the student will be able to communicate diesel engine emissions principles**

CSLO not included in any Assessment Rubric

**2. Upon completion of the course, the student will be able to demonstrate electrical diagnostic troubleshooting**

CSLO not included in any Assessment Rubric

**3. Upon completion of the course, the student will be able to read and interpret manufacturers technical service manuals**

CSLO not included in any Assessment Rubric

**Totals for CSLOs**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>

**MCAGB13: Hydraulics**

**1. Upon completion of the course, the student will be able to communicate hydraulic system principles**

CSLO not included in any Assessment Rubric

**2. Upon completion of the course, the student will be able to identify common hydraulic system components**

CSLO not included in any Assessment Rubric

**3. Upon completion of the course, the student will be able to read and interpret manufacturers technical service manuals**

CSLO not included in any Assessment Rubric

**Totals for CSLOs**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

**MCAGB14: Heavy Equipment Systems**

**1. Upon completion of the course, the student will be able to communicate equipment system principles**

CSLO not included in any Assessment Rubric

**2. Upon completion of the course, the student will be able to test electrical components with industry standard tools**

CSLO not included in any Assessment Rubric

**3. Upon completion of the course, the student will be able to read and interpret manufacturers technical service manuals**

CSLO not included in any Assessment Rubric

**4. Upon completion of the course, the student will be able to complete a pre-delivery inspection according to manufacturer guidelines**

CSLO not included in any Assessment Rubric

**Totals for CSLOs**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>

**MCAGB2: Introduction to Mechanized Agriculture**

**Upon completion the student will be able to: Develop an accurate construction plan that includes a bill of materials, project measurements, machine setups and material types for a given project to be constructed in class.**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	8	80.00%	2	20.00%	10	100.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>8</b>	<b>80.00%</b>	<b>2</b>	<b>20.00%</b>	<b>10</b>	<b>100.00%</b>

**Upon completion the student will be able to: Identify safe shop practices and potentially hazardous safety conditions in the work environment.**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	10	100.00%	0	0.00%	10	100.00%
<b>Totals</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>10</b>	<b>100.00%</b>	<b>0</b>	<b>0.00%</b>	<b>10</b>	<b>100.00%</b>

**Upon completion the student will be able to: Illustrate knowledge of concrete by forming, pouring, screeding, and finishing a slab to a proper size and slope.**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	7	70.00%	3	30.00%	10	100.00%
<b>Totals</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>7</b>	<b>70.00%</b>	<b>3</b>	<b>30.00%</b>	<b>10</b>	<b>100.00%</b>

**Upon completion the student will be able to: Assemble an electrical wiring board or display as per instructions.**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	10	100.00%	0	0.00%	10	100.00%
<b>Totals</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>10</b>	<b>100.00%</b>	<b>0</b>	<b>0.00%</b>	<b>10</b>	<b>100.00%</b>

**Totals for CSLOs**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	35	87.50%	5	12.50%	40	100.00%
<b>Totals</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>35</b>	<b>87.50%</b>	<b>5</b>	<b>12.50%</b>	<b>40</b>	<b>100.00%</b>



**MCAGB3: Small Gas Engines**

**Upon completion the student will be able to: Differentiate an understanding of two and four stroke small engines.**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>

**Upon completion the student will be able to: Demonstrate basic technical skill and knowledge to perform routine maintenance.**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>

**Upon completion the student will be able to: Assess the basic technical skill and knowledge to troubleshoot and diagnose small engine problems, perform tune-ups, engine overhauls and read and understand technical manuals.**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>

**Totals for CSLOs**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%

**MCAGB4: Agriculture Safety**

**Upon completion of the course, the student will be able to demonstrate safe tractor and machinery maintenance. • Ascertain the value of an organized effort to obtain maximum service from tractor units at optimum efficiency • Identify and apply lubricants and lubrication techniques used on tractors and equipment and perform minor tractor maintenance • Perform tasks that are necessary to assure maximum economy and efficiency of operation of farm tractors under varying situations and conditions • Acquire desirable skills, abilities, and techniques used in safe equipment operation**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	4	100.00%	0	0.00%	4	100.00%
Fall 2017	0	0.00%	0	0.00%	10	100.00%	0	0.00%	10	100.00%
Totals	0	0.00%	0	0.00%	14	100.00%	0	0.00%	14	100.00%

**Upon completion the student will be able to: Analyze work safety procedures and regulations and explain why they are in place and how they are developed for the equipment required for an agricultural operation. • Perform HASMAT safety procedures and practices • Demonstrate a knowledge of Material Safety Data Sheets • Identify Personal Protective Equipment, their use and care**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	3	75.00%	1	25.00%	4	100.00%
Fall 2017	0	0.00%	0	0.00%	6	60.00%	4	40.00%	10	100.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>9</b>	<b>64.29%</b>	<b>5</b>	<b>35.71%</b>	<b>14</b>	<b>100.00%</b>

**Upon completion the student will be able to: List on-site safety requirements and potential hazards for a field work site. • Demonstrate the ability to communicate and work cooperatively with others • Develop a record system for safety training and schedules**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	4	100.00%	0	0.00%	4	100.00%
Fall 2017	0	0.00%	0	0.00%	10	100.00%	0	0.00%	10	100.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>14</b>	<b>100.00%</b>	<b>0</b>	<b>0.00%</b>	<b>14</b>	<b>100.00%</b>

**Totals for CSLOs**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	11	91.67%	1	8.33%	12	100.00%
Fall 2017	0	0.00%	0	0.00%	26	86.67%	4	13.33%	30	100.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>37</b>	<b>88.10%</b>	<b>5</b>	<b>11.90%</b>	<b>42</b>	<b>100.00%</b>

**MCAGB5: Agriculture Irrigation Technology**

**Upon completion of the course, the student will be able identify irrigation system components and discuss their purposes and functions.**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>

**Upon completion the student will be able to: Describe the need to use water conservatively as a natural resource.**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>

**Upon completion the student will be able to: Summarize the principles involved in the procurement, distribution, application, and management of water in agriculture.**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>

**Totals for CSLOs**

	N/A		Exceeds expectations		Meets expectations		Does not meet expectations		Total	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Fall 2017	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>

**Report Totals:**

	<b>N/A</b>		<b>Exceeds expectations</b>		<b>Meets expectations</b>		<b>Does not meet expectations</b>		<b>Total</b>	
Summer 2018	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Spring 2018	0	0.00%	0	0.00%	11	91.67%	1	8.33%	12	100.00%
Fall 2017	0	0.00%	2	1.79%	100	89.29%	10	8.93%	112	100.00%
Totals	<b>0</b>	<b>0.00%</b>	<b>2</b>	<b>1.61%</b>	<b>111</b>	<b>89.52%</b>	<b>11</b>	<b>8.87%</b>	<b>124</b>	<b>100.00%</b>