3/18/2025	DATE	AGR	DIVISION
☑	REQUIRED COURSE	☐	NEW COURSE
☑	ELECTIVE COURSE	☑	REVISION

Lake Land College

Course Information Form

COURSE NUMBER:	AGR-071		**TITLE:** *(30 Characters Max)*		Swine Reproduction and A.I.						
SEM CR HRS:	1.0	**Lecture:**	1.0	**Lab:**	0.0	**ICCB Lab:**	0.0	**ECH:**	1.0		
Course Level:	☐ Gen Ed / IAI ☐ Baccalaureate /Non-IAI	☑ Career/Technical ☐ Dev Ed/ Not in Degree Audit		**Clinical Practicum:**	0.0	**Work-based Learning:**	0.0	**WBL ECH:**	0.0		
Course PCS & CIP:	12 - 01.0302		**IAI Code:**	N/A		**Contact Hours (Minutes/Week)**					
Repeatable (Y/N):	N	**Pass/Fail (Y/N):**	N	**Variable Credit (Y/N):**	N	**Min:**		**Max:**		**16 Wks**	50	**8 Wks**	100
Prerequisites:	None										
Corequisites:	None										
Catalog Description: (40 Word Limit)	Trains individuals to understand reproductive physiology, semen collection and artificial insemination.										

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
General reproductive biology	1.5			
Selection and reproductive management	1.5			
Management of gilt pool	1.5			
Checking for estrus	1.5			
Boar management	1.5			
Measuring boar fertility	1.5			
Introducing new breeding stock	1			
Causes of reproduction failure	1			
Semen collection	2			
Procedures for artificial insemination	2			
TOTAL	15	0	0	0

EVALUATION							
QUIZZES	☑	**EXAMS**	☐	**ORAL PRES**	☐	**PAPERS**	☐
LAB WORK	☐	**PROJECTS**	☐	**COMP FINAL**	☐	**OTHER**	☐

COURSE MATERIALS		
TITLE:	Handout Materials	
AUTHOR:		
PUBLISHER:		
VOLUME/EDITION/URL:		
COPYRIGHT DATE:		

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		The student will be able to:
General reproductive physiology	1.5	1. Identify the anatomy of the reproductive tract.
Selection and reproductive management	1.5	1. Demonstrate proper management techniques to achieve maximum reproductive efficiency.
Management of gilt pool	1.5	1. Demonstrate proper feeding and care of females to be placed into the breeding herd.
Checking for estrus	1.5	1. Describe techniques used to detect heat in order to breed.
Boar management	1.5	1. Demonstrate proper feeding and care of herd boars in order to achieve maximum efficiency.
Measuring boar fertility	1.5	1. Explain how to accurately measure semen volume and concentration.
Introducing new breeding stock	1	1. Outline steps involved in decreasing the instances of sexually transmitted diseases.

Causes of reproductive failure	1	1. Describe symptomology and cause of certain reproductive diseases.
Semen collection	2	1. Outline steps used to successfully collect a boar and insure maximum fertility.
Procedures of artificial insemination	2	1. Outline steps involved in A.I. to insure maximum conception rate.
	15	

Outcomes*	At the successful completion of this course, students will be able to:
Course Outcome 1	Inspect the anatomy of the reproductive tract.
Course Outcome 2	Outline techniques used to detect heat in order to breed.
Course Outcome 3	Summarize steps involved in artificial insemination to maximize conception rate.
Primary Laker Learning Competency	Scientific Literacy: Students apply the scientific process to real-life situations.
Secondary Laker Learning Competency	Critical Thinking: Students connect knowledge from various disciplines to formulate logical conclusions.

**Course and program outcomes will be used in the software for outcomes assessment and should include at least 1 primary and 1 secondary Laker Learning Competency. Limit to*