3/17/2025 DATE
☐ REQUIRED COURSE
☑ ELECTIVE COURSE

AGR DIVISION
☐ NEW COURSE
☑ REVISION

Lake Land College

Course Information Form

COURSE NUMBER:	AGR-054		**TITLE:** *(30 Characters Max)*	Crop Harvesting/Drying/Storage							
SEM CR HRS:	2.5	**Lecture:**	2.0	**Lab:**	1.0	**ICCB Lab:**	1.0	**ECH:**	3.0		
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 - 01.0304		**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**	150	**8 Wks**	300
Prerequisites:	None										
Corequisites:	None										
Catalog Description: (40 Word Limit)	Fundamentals of harvesting, drying and storage. Opportunities of various systems are explored through visits to different sites and systems.										

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
Harvesting equipment	5	3		
Determining field loss	4	1		
Forage types and equipment	5	3		
Principles of crop drying	5			
Methods and equipment	4	3.5		
Planning a crop handling system	4	3		
Supplemental equipment	3	1.5		
TOTAL	30	15	0	0

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

COURSE MATERIALS		
TITLE:	Handouts from the Instructor	
AUTHOR:		
PUBLISHER:		
VOLUME/EDITION/URL:		
COPYRIGHT DATE:		

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		The student will be able to:
Harvesting equipment	8	1. Identify various combine types.
Determining field loss	5	1. Measure loss of the major agronomic crops.
Forage types and equipment	8	1. Assess grass and legume crops.
Principles of crop drying	5	1. Discuss grain structure and composition.
Methods and equipment	7.5	1. Examine drying systems and the benefits of each.
Planning a crop handling system	7	1. Develop a crop handling system.
Supplemental equipment	4.5	1. Explain the function of various harvest equipment.
	45	

Outcomes*	Outcome Title	At the successful completion of this course, students will be able to:
Course Outcome 1	Calc Harv Stor Grain	Calculate dry grain, bin volumes and other useful numbers associated with harvesting and storage of grain.
Course Outcome 2	Harvest Stages	Assess harvesting crops at different stages.
Course Outcome 3	Drying Syst Diff	Compare differences between drying systems.
Primary Laker Learning Competency	Quantitative Literacy: Students analyze data and mathematical patterns in real-life situations.	
Secondary Laker Learning Competency	Creative Thinking & Problem Solving: Students think creatively to solve problems.	

**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.*