Agriculture

LAKE AREA TECHNICAL INSTITUTE
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Course Syllabus

Fall 2013

Course: AGR 120 – Seed and Grain Technology

Instructor: xxx

Credits: 3

General Objectives:
1. Identify grain handling systems and their problems.
2. calculate the costs of drying and maintaining good quality crops.
3. Look at the costs of building grain bins and grain handling systems.
4. Look at the process of crop certification.
5. Know the steps involved to get crops certified.
6. Grade grain according to the U.S. standards.
7. Select good quality seed.
8. Understand the proper storage techniques.
9. Operate the grain grading equipment.
10. Identify crop and weed seed.
11. Price crops using base prices and discounts.

Specific Objectives (Task List):
1. Develop a grain handling system.
2. Diagnose the problems of these systems.
3. Calculate the costs per bushel of grain handling systems.
4. Develop a seed certification program.
5. Calculate price of grain.
6. Calculate discounts on damaged or diseased grain.
7. Identify grain storage problems (insects, mold, etc.)
8. Understand seed inoculation and seed treatments.
9. Perform germination tests on various seeds.
10. List the importance of planting good quality seed.
11. Calculate shrinkage on high moisture crops and the costs involved.
12. Identify weeds and their seeds that are produced.

Attendance: Students are expected to attend all classes, labs and any tours that are taken. The instructor needs to be notified if a student is not able to attend class. All class work needs to be made up. No cell phones will be used during class time unless allowed by the instructor.

Grading:

100% - 94% = A
93% - 87% = B
86% - 80% = C
Below 80%   = F

Schedule: Labs will be scheduled during regular class times.

Miscellaneous: Instructor's office hours will be posted. I am here to help and will assist you in any way I can. Students having questions or problems should be sure to see the instructor for help.

Without my permission, you do not have the authority to record any of my class, its class members, or any content expressed here.