

5/2010

Last Date of Revision 05-20-10  
(for established course)

Effective Date: Spring 2011  
(Date syllabus will be eligible to be used in instruction)

BLACK HAWK COLLEGE COURSE SYLLABUS—Please use electronic version available from the ASC (QC) or Administrative Office (EC)

Course Prefix	Course #	Course Title (30 characters including spaces)
AG	134	Field Crop Science 3

Catalog Description: : The study of botanical characteristics and cultural practices of commercially important Corn Belt crops, including quality improvements, seed purity, diseases, insects, weeds and crop production techniques. Laboratory exercises focus on selected crop production and management practices.

Credit Hours: 0.5 Lecture Hours: 0.5 Lab Hours: 0 (Illinois Articulation Code) IAI Code: \_\_\_\_\_

Repeatable? Yes \_\_\_\_\_ No X # of Times Repeatable: \_\_\_\_\_

If course is repeatable, what is the maximum number of credits that may be used to meet degree requirements? \_\_\_\_\_

Variable Credit? Yes \_\_\_\_\_ No X Program: Transfer \_\_\_\_\_ Career X

Grading System: ABCDF \_\_\_\_\_ ABCDX X Credit Type: Degree X Certificate \_\_\_\_\_

Prerequisite: none

I. (Describe general audience this course is intended to serve stating program/discipline (major, general education, general elective) as well as degree or certification if appropriate.

Agriculture students majoring in Agriculture Production Technology and Agribusiness Management for an Associate of Applied Science Degree.

II. Expected Learning Objectives: (incorporating student learning outcomes) Upon successful completion of this course, the student shall be able to:

- A. Calculate yield estimates for corn and soybeans
- B. Identify early season insect pressures symptoms in mature crops
- C. Identify common harvest techniques for corn and soybeans
- D. Identify various hybrid characteristics
- E. Calculate grain grades for corn and soybean samples

III. Method(s) of Assessing Student Outcomes: (Examples include types of exams, research papers, portfolios, etc.) (Please provide details of assessment methods.)

hour exams  
 1 comprehensive final exam  
 Online assignments and quizzes  
 Lab exercises  
 Daily class report cards  
 Quarterly class evaluations

Course Prefix	Course #	Course Title (30 characters including spaces)
AG	134	Field Crop Science 3

IV. Textbook(s) and/or Materials: (Provide example(s) of type(s) of textbook(s) and materials)

"Modern Corn and Soybean Production"

"Purdue Corn and Soybean Field Guide" Purdue University

"Illinois Agronomy Handbook" Internet

V. Communication: List names of QC & EC Department Chairs

Bill Good ASD Chair

VI. Articulation: (For career and transfer courses that do not have an IAI code - see page one), identify three major state institutions in Illinois where the course is accepted. Articulation must be processed through Articulation Services – contact Heather Holding.)

Course Prefix	Course #	Course Title	Institution
AGR		Elective	Illinois State University
		Elective	Southern Illinois University Carbondale
AGRI		Elective	Western Illinois University

VII. Course Outline: (Write a representative topical and/or chronological)

1. Maggie Show
2. Farm Progress Show Decatur Il.
3. Yield estimates and crop evaluation
4. Harvest Agronomy Lab corn
5. Grain and forage handling storage and quality
6. Grain grading
7. Grain handling facilities
8. Grain handling facilities

VIII. Justification for variable/repeatable courses (if applicable):

- IX. This syllabus was prepared by: Andrew C. Larson
- X. Copies are to be kept on file by the Department Chairperson and the Office of the Vice President for Instruction and Student Services where appropriate.

J:\ADMIN\CURRICULUM COMMITTEE (SYLLABUS)  
([HTTP:INTRANET.BHC.EDU](http://intranet.bhc.edu))

8/2010

Last Date of Revision 10-10-10  
(for established course)

Effective Date: established course  
(Date syllabus will be eligible to be used in instruction)

BLACK HAWK COLLEGE COURSE SYLLABUS—Please use electronic version available from the ASC (QC) or Administrative Office (EC)

Course Prefix	Course #	Course Title (30 characters including spaces)
AG	275	Field Machinery Operations I

Catalog Description: Introduces the student to harvesting, tillage, and planting operations. Emphasis will be placed on theory, operation, maintenance, and adjustment of the machines.

Credit Hours: 3 Lecture Hours: 2 Lab Hours: 2 (Illinois Articulation Code) IAI Code: \_\_\_\_\_

Repeatable? Yes \_\_\_\_\_ No X # of Times Repeatable: \_\_\_\_\_

If course is repeatable, what is the maximum number of credits that may be used to meet degree requirements? \_\_\_\_\_

Variable Credit? Yes \_\_\_\_\_ No X Program: Transfer \_\_\_\_\_ Career X

Grading System: ABCDF \_\_\_\_\_ ABCDX X Credit Type: Degree X Certificate X

Prerequisite: NONE

I. (Describe general audience this course is intended to serve stating program/discipline (major, general education, general elective) as well as degree or certification if appropriate.

Students in Ag Production, Ag Business and Ag Mechanics

II. Expected Learning Objectives: (incorporating student learning outcomes) Upon successful completion of this course, the student shall be able to:

A. Safely and accurately operation of harvesting equipment

B. Properly adjust combine for given crop

C. Calculate harvest loss

D. Reduce field loss at harvest time.

E. Calibrate the population for a corn planter

F. Calibrate the population for a grain drill

III. Method(s) of Assessing Student Outcomes: (Examples include types of exams, research papers, portfolios, etc.) (Please provide details of assessment methods.)

Final Exam, tests, quizzes, lab projects.

Course Prefix	Course #	Course Title (30 characters including spaces)
AG	275	Field Machinery Operations I

IV. Textbook(s) and/or Materials: (Provide example(s) of type(s) of textbook(s) and materials)

Combine Harvesting Fundamentals of Machine Operation, John Deere Publishing,  
ISBN: 978-0-86691-341-6

V. Communication: List names of QC & EC Department Chairs

EC—Mr. Bill Good

QC-- None

VI. Articulation: (For career and transfer courses that do not have an IAI code - see page one), identify three major state institutions in Illinois where the course is accepted. Articulation must be processed through Articulation Services.

Course Prefix	Course #	Course Title	Institution
		AGR EL	Illinois State University
		EL	Southern Ill. University Carbondale
		AGRI EL	Western Illinois University

VII. Course Outline: (Write a representative topical and/or chronological)

1	Harvesting	Theory of Operation, Parts I.D.
2	Harvesting	Adjusting Combine, Selecting/Serviceing
3	Harvesting	Calculating Harvest Losses
4	Tillage	Theory of Operation, Methods
5	Tillage	Adjustments
6	Planting	Theory of Operation, Types of Planters
7	Planting	Calibrating Planters
8	Planting	Maintenance, Wrap Up &

VIII. Justification for variable/repeatable courses (if applicable):

IX. This syllabus was prepared by: Gary Werkheiser 10-10-10

X. Copies are to be kept on file by the Department Chairperson and the academic vice president where appropriate.

8/2010

Last Date of Revision 10-5-10  
(for established course)

Effective Date: Established Course  
(Date syllabus will be eligible to be used in instruction)

BLACK HAWK COLLEGE COURSE SYLLABUS—Please use electronic version available from the ASC (QC) or Administrative Office (EC)

Course Prefix	Course #	Course Title (30 characters including spaces)
AUTO	122	Auto Body II

Catalog Description: A further study of the procedures and principles involved in auto body repair. Emphasis is placed on building on skills developed in Auto 121.

Credit Hours: 3 Lecture Hours: 2 Lab Hours: 2 (Illinois Articulation Code) IAI Code: \_\_\_\_\_

Repeatable? Yes \_\_\_\_\_ No X # of Times Repeatable: \_\_\_\_\_

If course is repeatable, what is the maximum number of credits that may be used to meet degree requirements? \_\_\_\_\_

Variable Credit? Yes \_\_\_\_\_ No X Program: Transfer \_\_\_\_\_ Career X

Grading System: ABCDF \_\_\_\_\_ ABCDX X Credit Type: Degree X Certificate X

Prerequisite: Auto 121 or have developed sufficient skills by practical use.

I. (Describe general audience this course is intended to serve stating program/discipline (major, general education, general elective) as well as degree or certification if appropriate.

Students in both the degree and certificate program for auto technology.

II. Expected Learning Objectives: (incorporating student learning outcomes) Upon successful completion of this course, the student shall be able to:

- A. replace glass and hardware on the repair project
- B. inspect, measure, and repair unibody vehicles
- C. straighten and replace structural components
- D. cut sheet metal
- E. replace and weld new sheet metal
- F. repair and replace plastic components

III. Method(s) of Assessing Student Outcomes: (Examples include types of exams, research papers, portfolios, etc.) (Please provide details of assessment methods.)

Assessment: laboratory assignment, Quizzes, homework assignments, 4, 8, and 12 week tests, Final ASE style exam, Third party ASE test, laboratory practical application exam

Course Prefix	Course #	Course Title (30 characters including spaces)
AUTO	122	Auto Body I

IV. Textbook(s) and/or Materials: (Provide example(s) of type(s) of textbook(s) and materials)

Auto Body Repair Technology, By Duffy, Delmar Publishing, ISBN, 978-141807-3534

V. Communication: List names of QC & EC Department Chairs

EC-- Mr. Bill Good

QC-- none

VI. Articulation: (For career and transfer courses that do not have an IAI code - see page one), identify three major state institutions in Illinois where the course is accepted. Articulation must be processed through Articulation Services.

Course Prefix	Course #	Course Title	Institution
		TEC EL	Illinois State University
		EL	Southern Ill. University Carbondale
		EL	Western Illinois University

VII. Course Outline: (Write a representative topical and/or chronological)

1. review of auto body fundamentals
2. glass and hardware
3. uni-body inspection, measurement, repairs
4. straightening structural components
5. cutting sheet metal
6. welding sheet metal
7. plastic repair

VIII. Justification for variable/repeatable courses (if applicable):

IX. This syllabus was prepared by: Gary Werkheiser 10-5-10

X. Copies are to be kept on file by the Department Chairperson and the academic vice president where appropriate.

8/2010

Last Date of Revision 1/1/11  
(for established course)

Effective Date: Established course  
(Date syllabus will be eligible to be used in instruction)

BLACK HAWK COLLEGE COURSE SYLLABUS—Please use electronic version available from the ASC (QC) or Administrative Office (EC)

Course Prefix	Course #	Course Title (30 characters including spaces)
EQ	159	Horse Evaluation II

Catalog Description: Provides students an opportunity to gain experience in evaluating horses. Time will be spent on developing and presenting oral reason.

Credit Hours: 1 Lecture Hours: 1 Lab Hours: 0 (Illinois Articulation Code) IAI Code: \_\_\_\_\_

Repeatable? Yes \_\_\_\_\_ No X # of Times Repeatable: \_\_\_\_\_

If course is repeatable, what is the maximum number of credits that may be used to meet degree requirements? \_\_\_\_\_

Variable Credit? Yes \_\_\_\_\_ No X Program: Transfer \_\_\_\_\_ Career X

Grading System: ABCDF \_\_\_\_\_ ABCDX X Credit Type: Degree \_\_\_\_\_ Certificate \_\_\_\_\_

Prerequisite: \_\_\_\_\_

I. (Describe general audience this course is intended to serve stating program/discipline (major, general education, general elective) as well as degree or certification if appropriate.

Horse Science Degree/Certificate  
Equestrian Science Degree

II. Expected Learning Objectives: (incorporating student learning outcomes) Upon successful completion of this course, the student shall be able to:

A. Evaluate a class of four Western Pleasure horses.

B. Evaluate a class of four Hunter Under Saddle horses.

C. Evaluate a class of four Hunter Hack horses.

D. Evaluate a class of four Reining horses.

E. Evaluate a class of four Western Riding horses.

F. Evaluate a class of our Trail horses.

Course Prefix	Course #	Course Title (30 characters including spaces)
EQ	159	Horse Evaluation II

III. Method(s) of Assessing Student Outcomes: (Examples include types of exams, research papers, portfolios, etc.) (Please provide details of assessment methods.)

Class participation                      50%  
 Class evaluation scores                50%

IV. Textbook(s) and/or Materials: (Provide example(s) of type(s) of textbook(s) and materials)

Black Hawk East Judging Manual

V. Communication: List names of QC & EC Department Chairs

Bill Good, AS Dept. Co-Chair  
 Andrew Larson, AS Dept. Co-Chair

VI. Articulation: (*For career and transfer courses that do not have an IAI code - see page one*), identify three major state institutions in Illinois where the course is accepted. Articulation must be processed through Articulation Services.

Course Prefix	Course #	Course Title	Institution
		AGR Elective	ISU
		Elective	SIUC
		AGR Elective	WIU

VII. Course Outline: (Write a representative topical and/or chronological)

- I. Performance Judging
  - A. Western Pleasure
  - B. Hunter Under Saddle
  - C. Hunter Hack
  - D. Reining
  - E. Western Riding
  - F. Trail

VIII. Justification for variable/repeatable courses (if applicable):

IX. This syllabus was prepared by: Aaron Callahan

X. Copies are to be kept on file by the Department Chairperson and the academic vice president where appropriate.

8/2010

Last Date of Revision 1/1/11  
(for established course)

Effective Date: Established course  
(Date syllabus will be eligible to be used in instruction)

BLACK HAWK COLLEGE COURSE SYLLABUS—Please use electronic version available from the ASC (QC) or Administrative Office (EC)

Course Prefix	Course #	Course Title (30 characters including spaces)
EQ	253	Horse Health Care

Catalog Description: A study of the methods of prevention and control of typical equine diseases and parasites. Also included will be treatment of common injuries and congenital disorders.

Credit Hours: 4 Lecture Hours: 3 Lab Hours: 2 (Illinois Articulation Code) IAI Code: \_\_\_\_\_

Repeatable? Yes \_\_\_\_\_ No X # of Times Repeatable: \_\_\_\_\_

If course is repeatable, what is the maximum number of credits that may be used to meet degree requirements? \_\_\_\_\_

Variable Credit? Yes \_\_\_\_\_ No X Program: Transfer \_\_\_\_\_ Career X

Grading System: ABCDF \_\_\_\_\_ ABCDX X Credit Type: Degree X Certificate X

Prerequisite: None

I. (Describe general audience this course is intended to serve stating program/discipline (major, general education, general elective) as well as degree or certification if appropriate.

Equestrian Science  
Horse Science Technology

II. Expected Learning Objectives: (incorporating student learning outcomes) Upon successful completion of this course, the student shall be able to:

- A. Conduct a physical exam
- B. Treat non-serious injuries and diseases
- C. Correctly administer drugs using several routes of administration
- D. Conduct fecal testing laboratory procedures
- E. Calculate proper drug doses
- F. Discern the dominant infectious and non-infectious diseases
- G. Properly identify the major bones and joints
- H. Identify the major parasites and create a suitable de-worming program

Course Prefix	Course #	Course Title (30 characters including spaces)
EQ	253	Horse Health Care

- III. Method(s) of Assessing Student Outcomes: (Examples include types of exams, research papers, portfolios, etc.) (Please provide details of assessment methods.)
- A. Written exams
  - B. Quizzes
  - C. Labs
  - D. Attendance
  - E. Presentation
- IV. Textbook(s) and/or Materials: (Provide example(s) of type(s) of textbook(s) and materials)  
Textbook information: The Research Staff of Equine Research Publications. 2003. Veterinary Treatment and Medications for Horseman. Don M. Wagoner (Equine Research, Inc.)
- V. Communication: List names of QC & EC Department Chairs  
  
Bill Good, AS Dept. Co-Chair  
Andrew Larson, AS Dept. Co-Chair
- VI. Articulation: (For career and transfer courses that do not have an IAI code - see page one), identify three major state institutions in Illinois where the course is accepted. Articulation must be processed through Articulation Services.

Course Prefix	Course #	Course Title	Institution
		Elective	Eastern IL University
		Elective	Southern IL University
		Elective	Western IL University

- VII. Course Outline: (Write a representative topical and/or chronological)
1. General Care
  2. Muscularskeletal System
  3. Infectious and Non-infectious Diseases
  4. Parasites
  5. First Aid
  6. Drugs
- VIII. Justification for variable/repeatable courses (if applicable):
- IX. This syllabus was prepared by: Drew Cotton
- X. Copies are to be kept on file by the Department Chairperson and the academic vice president where appropriate.

8/2011

Last Date of Revision \_\_\_\_\_ New Course \_\_\_\_\_  
(for established course)

Effective Date: 8/17/12  
(Date syllabus will be eligible to be used in instruction)

BLACK HAWK COLLEGE COURSE SYLLABUS—Please use electronic version available from the ASC (QC) or Administrative Office (EC)

Course Prefix	Course #	Course Title (30 characters including spaces)
EQ	269	Performance Horse Training

Catalog Description: Students will use procedures learned in all previous equitation courses to select, train and compete in performance events.

Credit Hours: 4 Lecture Hours: 3 Lab Hours: 2 (Illinois Articulation Code) IAI Code: \_\_\_\_\_

Repeatable Yes X No \_\_\_\_\_ # of Times Repeatable: 1

If course is repeatable, what is the maximum number of credits that may be used to meet degree requirements? \_\_\_\_\_ 4

Variable Credit? Yes \_\_\_\_\_ No X Program: Transfer \_\_\_\_\_ Career \_\_\_\_\_

Grading System: ABCDF \_\_\_\_\_ ABCDX X Credit Type: Degree X Certificate \_\_\_\_\_

Method of Delivery (check all that apply) In Class \_\_\_\_\_ Interactive TV \_\_\_\_\_ Telecourse \_\_\_\_\_  
Online \_\_\_\_\_ Independent Study \_\_\_\_\_

Prerequisite: EQ 161, EQ 262, or Instructor consent

I. (Describe general audience this course is intended to serve stating program/discipline (major, general education, general elective) as well as degree or certification if appropriate.

Equestrian Science Majors

II. Expected Learning Objectives: (incorporating student learning outcomes) Upon successful completion of this course, the student shall be able to:

- A. Select & evaluate prospects for performance events.
- B. Demonstrate improved body control to develop a consistent performer.
- C. Develop & implement a training program with emphasis in developing a confident horse with a positive attitude.
- D. Demonstrate the use of performance based equipment such as roping, reins & gag bits.
- E. Conditioning and training of performance horses.
- F. Compete successfully in one or more performance event.

III. Method(s) of Assessing Student Outcomes: (Examples include types of exams, research papers, portfolios, etc.) (Please provide details of assessment methods.)

Student will select a prospect, evaluate, determine goals, keep a daily log and assess outcomes weekly. Students are required to compete in a minimum of one performance event by semester end. Hands on pattern assessments, timed performances will be utilized to assess performance outcomes. Mid-term and final exams as well as quizzes will be used to assess as well.

Course Prefix	Course #	Course Title (30 characters including spaces)
EQ	269	Performance Horse Training

IV. Textbook(s) and/or Materials: (Provide example(s) of type(s) of textbook(s) and materials)

Videos, seminars, periodicals, competitions on campus.

V. Communication: List names of QC & EC Department Chairs

Bill Good, AG Department Co-Chair  
Andrew Larson, AG Department Co-Chair

VI. Articulation: (For career and transfer courses that do not have an IAI code - see page one), identify three major state institutions in Illinois where the course is accepted. Articulation must be processed through Articulation Services.

Course Prefix	Course #	Course Title	Institution
		Elective	Eastern Illinois University
ANS	112	Introduction to Horsemanship	Southern Illinois University Carbondale
AGRI		Elective	Western Illinois University

VII. Course Outline: (Write a representative topical and/or chronological)

- I. Selecting and Evaluating a prospect
- II. Developing Advanced Body Control
- III. Conditioning for Timed Events
- IV. Mind & Behavior
- V. Training Exercises for Barrel Racing, Pole Bending, Team Roping and Reining
- VI. Competition Techniques & Strategies

VIII. Justification for variable/repeatable courses (if applicable):

Students can learn more every time they take this course with a different horse. Each individual combination presents unique and increased learning opportunities and skill sets.

IX. This syllabus was prepared by: Donna Irvin

X. Copies are to be kept on file by the Department Chairperson and the academic vice president where appropriate.

8/2010

Last Date of Revision 10/20/2010  
(for established course)

Effective Date: Established Course  
(Date syllabus will be eligible to be used in instruction)

BLACK HAWK COLLEGE COURSE SYLLABUS—Please use electronic version available from the ASC (QC) or Administrative Office (EC)

Course Prefix	Course #	Course Title (30 characters including spaces)
Hort	190	ID OF LANDSCAPE PLANT

Catalog Description:

The identification of shrubs used in landscaping. Discussion of cultural requirements, insects, & diseases found on these plants along with emphasis on pruning, transplanting, and design use.

Credit Hours: 3 Lecture Hours: 3 Lab Hours: 0 (Illinois Articulation Code) IAI Code: \_\_\_\_\_

Repeatable? Yes \_\_\_\_\_ No X # of Times Repeatable: \_\_\_\_\_

If course is repeatable, what is the maximum number of credits that may be used to meet degree requirements? \_\_\_\_\_

Variable Credit? Yes \_\_\_\_\_ No X Program: Transfer \_\_\_\_\_ Career X

Grading System: ABCDF \_\_\_\_\_ ABCDX X Credit Type: Degree X Certificate \_\_\_\_\_

Prerequisite: None

I. (Describe general audience this course is intended to serve stating program/discipline (major, general education, general elective) as well as degree or certification if appropriate.

General audience includes students desiring to obtain an AAS degree in horticulture.

II. Expected Learning Objectives: (incorporating student learning outcomes) Upon successful completion of this course, the student shall be able to:

A. Identify shrubs by stem, buds, & foliage

B. Demonstrate an appreciation for shrubs used in landscape design

C. Maintain a collection of shrubs with cuttings

D. Articulate an understanding for insect & disease development & control

E. Display different pruning methods of shrubs

III. Method(s) of Assessing Student Outcomes: (Examples include types of exams, research papers, portfolios, etc.) (Please provide details of assessment methods.)

- Assignments
- Tests
- Final Exam
- Project

Course Prefix	Course #	Course Title (30 characters including spaces)
HORT	190	ID OF LANDSCAPE PLANT

IV. Textbook(s) and/or Materials: (Provide example(s) of type(s) of textbook(s) and materials)

Landscaping, Principles and Practices, Jack Ingels  
Manual of Woody Landscape Plants by Michael Dirr

V. Communication: List names of QC & EC Department Chairs

Bill Good  
 Andrew Larson

VI. Articulation: (For career and transfer courses that do not have an IAI code - see page one), identify three major state institutions in Illinois where the course is accepted. Articulation must be processed through Articulation Services.

Course Prefix	Course #	Course Title	Institution
HORT	EL	Elective	WIU
AGR	EL	Elective	ISU
N/A	EL	Elective	SIUC

VII. Course Outline: (Write a representative topical and/or chronological)

- I. Formulate collection of plant material discussed in class
- II. Discuss distinguishing characteristics of individual plants
- III. Design plants in different landscape situations
- IV. Develop propagation of plants, transplanting & pruning technique
- V. Appreciation for cultural requirement of disease & insect development

VIII. Justification for variable/repeatable courses (if applicable):

IX. This syllabus was prepared by: Dr. Jeffry Hawes

X. Copies are to be kept on file by the Department Chairperson and the academic vice president where appropriate.

8/2010

Last Date of Revision October 27, 2010  
(for established course)

Effective Date: Established Course  
(Date syllabus will be eligible to be used in instruction)

BLACK HAWK COLLEGE COURSE SYLLABUS—Please use electronic version available from the ASC (QC) or Administrative Office (EC)

Course Prefix	Course #	Course Title (30 characters including spaces)
AG	172	Agricultural CDL Training

Catalog Description:

This course is required for students in the Associate of Applied Science Degree Program in Agribusiness Management in the Agricultural Chemical Application specialty.

Credit Hours: 2 Lecture Hours: 1 Lab Hours: 2 (Illinois Articulation Code) IAI Code: \_\_\_\_\_

Repeatable? Yes \_\_\_\_\_ No X # of Times Repeatable: \_\_\_\_\_

If course is repeatable, what is the maximum number of credits that may be used to meet degree requirements? \_\_\_\_\_

Variable Credit? Yes \_\_\_\_\_ No X Program: Transfer \_\_\_\_\_ Career X

Grading System: ABCDF \_\_\_\_\_ ABCDX X Credit Type: Degree X Certificate \_\_\_\_\_

Prerequisite: \_\_\_\_\_

- I. (Describe general audience this course is intended to serve stating program/discipline (major, general education, general elective) as well as degree or certification if appropriate.

Students enrolled In the AAS Degree Programs of Agribusiness Management, Crop Protection Technology, and Agriculture Production Technology..

- II. Expected Learning Objectives: (incorporating student learning outcomes) Upon successful completion of this course, the student shall be able to:

- A. Pass the written portion of the CDL exam
- B. Pass the driving portion of the CDL exam
- C. Operate any equipment used by the agricultural chemical application industry, requiring the CDL license.
- D. Correctly record all written documentation as required by the Department of Transportation, & other regulatory agencies.

- III. Method(s) of Assessing Student Outcomes: (Examples include types of exams, research papers, portfolios, etc.) (Please provide details of assessment methods.)

Written Examinations-both classroom & by licensing authorities. Driving Exams, Laboratory Exercises, and Written Assignments

Course Prefix	Course #	Course Title (30 characters including spaces)
AG	172	Agricultural CDL Training

IV. Textbook(s) and/or Materials: (Provide example(s) of type(s) of textbook(s) and materials)

Illinois Commercial Drivers License Study Guide. Selected commercial drivers license texts and study guides, selected websites, and instructional videos.

V. Communication: List names of QC & EC Department Chairs

Andrew Larson - EC

VI. Articulation: (For career and transfer courses that do not have an IAI code - see page one), identify three major state institutions in Illinois where the course is accepted. Articulation must be processed through Articulation Services.

Course Prefix	Course #	Course Title	Institution
		Elective	Illinois State University
		Elective	Southern Illinois University – Carbondale
		Elective	Western Illinois University

VII. Course Outline: (Write a representative topical and/or chronological)

- I. Introduction
- II. Basic Operation
- III. Safe Operating Practices
- IV. Advanced Operating Practices
- V. Vehicle Maintenance
- VI. Nonvehicle Activities
- VII. CDL Examination Review

VIII. Justification for variable/repeatable courses (if applicable):

IX. This syllabus was prepared by: Bill Good

X. Copies are to be kept on file by the Department Chairperson and the academic vice president where appropriate.

8/2010

Last Date of Revision October 27, 2010  
(for established course)

Effective Date: Established Course  
(Date syllabus will be eligible to be used in instruction)

BLACK HAWK COLLEGE COURSE SYLLABUS—Please use electronic version available from the ASC (QC) or Administrative Office (EC)

Course Prefix	Course #	Course Title (30 characters including spaces)
AG	173	Ag Chem Equip Tech I

Catalog Description:

A course focusing on studies of dry fertilizer material equipment variations, calibration systems and methods, maintenance and service requirements, and actual operation of application equipment.

Credit Hours: 2 Lecture Hours: 2 Lab Hours: 0 (Illinois Articulation Code) IAI Code: \_\_\_\_\_

Repeatable? Yes X No \_\_\_\_\_ # of Times Repeatable: 1

If course is repeatable, what is the maximum number of credits that may be used to meet degree requirements? 2

Variable Credit? Yes X No \_\_\_\_\_ Program: Transfer \_\_\_\_\_ Career X

Grading System: ABCDF \_\_\_\_\_ ABCDX X Credit Type: Degree X Certificate \_\_\_\_\_

Prerequisite: \_\_\_\_\_

- I. (Describe general audience this course is intended to serve stating program/discipline (major, general education, general elective) as well as degree or certification if appropriate.

Required for students in the AAS Degree program Ag business Management Crop Protection Technology Option.

- II. Expected Learning Objectives: (incorporating student learning outcomes) Upon successful completion of this course, the student shall be able to:

- A. Identify basic types and operating procedures of dry material application equipment.
- B. Properly maintain dry material application equipment.
- C. Properly calibrate and adjust dry material application equipment.
- D. Correctly record all written documentation of calibration and service activities.

- III. Method(s) of Assessing Student Outcomes: (Examples include types of exams, research papers, portfolios, etc.) (Please provide details of assessment methods.)

Attendance, exams, quizzes, problems

Course Prefix	Course #	Course Title (30 characters including spaces)
AG	173	AG Chemical Equipment Technology I

IV. Textbook(s) and/or Materials: (Provide example(s) of type(s) of textbook(s) and materials)

Handouts and equipment service manuals.

V. Communication: List names of QC & EC Department Chairs

Bill Good - EC

VI. Articulation: (For career and transfer courses that do not have an IAI code - see page one), identify three major state institutions in Illinois where the course is accepted. Articulation must be processed through Articulation Services.

Course Prefix	Course #	Course Title	Institution
		AGR Elective	Illinois State University
		Elective	Southern Illinois University – Carbondale
		AGRI Elective	Western Illinois University

VII. Course Outline: (Write a representative topical and/or chronological)

- I. Introduction to Dry Material Application Equipment.
- II. Basic Operation and Safety.
- III. Equipment Maintenance And Service
- IV. Equipment Set-up And Calibration.

VIII. Justification for variable/repeatable courses (if applicable):

Technology in the crop protection industry changes very rapidly. Repeating the class allows students to learn about changes in current technology and new technology developments.

IX. This syllabus was prepared by: Bill Good

X. Copies are to be kept on file by the Department Chairperson and the academic vice president where appropriate.