

# SOUTHEAST COMMUNITY COLLEGE

## COURSE SYLLABUS

### AG, FOOD AND NATURAL RESOURCES DIVISION

**Revision Date: Fall Quarter 2014**

#### I. CATALOG DESCRIPTION

**Course Number:** AGRI 1171  
**Course Title** Agriculture Technology  
**Prerequisite(s):** None

**Catalog Description:** Introduction to technology applications that are used for solving agriculture problems with emphasis on logical and systematic decision making. Establishing a basic understanding of GPS/GIS and the overall usage in agriculture.

**Credit Hours:** 3  
**Class Hours:** 21  
**Lab Hours:** 27  
**Total Contact Hours:** 48

#### II. COURSE OBJECTIVES: *Course will:*

- Explain basic agricultural computer skills
- Identify techniques in creating agricultural spreadsheets
- Describe precision agriculture and applications used today
- Describe terms associated with GIS and GPS

#### III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

##### A. STUDENT LEARNING OUTCOMES: *Student will be able to:*

- gather information and data from internet; generate, correct, save, and print word documents; using the browser and common software tutorials websites.
- prepare agricultural spreadsheets to solve management problems and validate the accuracy of the resulting reports

- explain the difference between GIS and GPS and how it relates to agriculture
- define precision agriculture and apply basic map concepts using various software

#### **B. GENERAL EDUCATION LEARNING OUTCOMES**

- **Use Technology effectively and responsibly:** The ability to use computer applications and information systems responsibly in a world of ever-changing technology. *(GELO 7)*

### **IV. CONTENT/TOPICAL OUTLINE**

*(course outline may provide more detailed information)*

- **Word Processing** - introduces the basic concepts of creating documents used in an Ag business: letters and envelopes, resumes, and posters.
- **Desktop Publishing** - introduces the concepts of creating basic documents used in an Ag business: greeting card and brochure.
- **Presentations** - introduces the basic concepts of creating a presentation.
- **Spreadsheets** - this section emphasizes creating and managing Ag business spreadsheets: payroll, calculating average daily gain, cost of raising vegetables, etc.
- **Precision Ag** - introduces the basic concepts of GPS, GIS, fundamental geography knowledge, and geography computing skills.

### **V. INSTRUCTIONAL MATERIALS**

**A. Required Text(s):** No Required Text

**B. Other Resources:** Needs to have access to MS Office 2013 (especially Publisher)

**Note:** Google Docs and Office Libre (free programs) may be used for most projects.  
USB Drive

### **VI. METHODS OF PRESENTATION/INSTRUCTION**

**A.** Methods of presentation typically include a combination of the following:

- Presentation methods will include, but not limited to demonstrations, practice activities to develop proficiency and over the shoulder supervision and instruction.
- Laboratory assignments and projects designed to develop design and problem solving skills

### **VII. METHODS OF EVALUATION**

Methods of evaluation typically include a combination of the following:

- Successful completion of assignments and projects
- Participation in discussions

**SCC STANDARD GRADING SCALE POLICY:**

<b>A+ 95-100</b>	<b>C+ 75-79</b>
<b>A 90-94</b>	<b>C 70-74</b>
<b>B+ 85-89</b>	<b>D+ 65-69</b>
<b>B 80-84</b>	<b>D 60-64</b>
	<b>F Below 60</b>

**VIII. SPECIFIC COURSE REQUIREMENTS:**

- A. Successful completion of daily projects designed to develop specific skills which build upon one another
- B. Successful completion of practical exams
- C. Successful mastery of lab skills is essential in this class
- D. Students are responsible for backing up their own files onto their network drive and maintaining security.

## SYLLABUS STATEMENTS

### Statement of Equal Opportunity and Nondiscrimination

It is the policy of Southeast Community College to provide equal opportunity and non-discrimination in admission, attendance and employment matters for all qualified persons, attending or seeking admission to the College, without regard to race, color, ethnicity, religion, sex, age, marital status, national origin, veteran status, sexual orientation, disability, or other factors prohibited by law. Inquiries concerning the application of Southeast Community College's policies on equal opportunity and nondiscrimination should be directed to the Vice President for Access, Equity and Diversity, SCC Area Office, 301 S. 68<sup>th</sup> St. Place, Lincoln, NE 68510; Phone (402) 323-3412; FAX (402) 323-3420 or Internet e-mail; [jsoto@southeast.edu](mailto:jsoto@southeast.edu)

### Americans with Disabilities Act – Reasonable Accommodations

If you have a disabling condition that may substantially limit your ability to participate in this class, it is your responsibility to contact the Disability Services provider on campus. For additional information and assistance contact:

Beatrice	Jackson Hall – J406	402-228-8242
Lincoln	J2	402-437-2620
Milford	Assessment Office	402-761-8202

### Academic Integrity

Academic Integrity is one of the basic principles of a college community. SCC encourages and expects the highest standards of academic honesty from all students. Please note that cheating, plagiarism, or other forms of academic dishonesty are monitored and subject to disciplinary action.

### Electronic Devices

Personal use of any electronic device not authorized by the instructor is **prohibited**. **Violations may lead to formal disciplinary action.** Instructors, for instructional purposes, may allow in the classroom the **use of cell phones and personal electronic devices.**

### Firearms/Weapons Strictly Prohibited

SCC policy prohibits the possession of firearms, weapons, or fireworks on College property or at any College-sponsored event. Effective January 1, 2007, Nebraska State Statute 28-1202 makes it unlawful to carry a concealed handgun into a meeting of the governing body of a political subdivision, or collegiate athletic event; school, school grounds, school-owned vehicle, or school-sponsored activity or athletic event. These prohibitions apply to EVERYONE (employees, students, invitees, and visitors) and are enforceable EVERYWHERE (all college property and all

college-related events.) Violations of these prohibitions will result in disciplinary and/or law enforcement action.

## **Workforce Grant**

This workforce product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The U.S. Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.

***December 2014***