

**SOUTHEAST COMMUNITY COLLEGE**

**COURSE SYLLABUS**

**AG, FOOD AND NATURAL RESOURCES DIVISION**

**Revision Date: Summer Quarter 2014**

**I. CATALOG DESCRIPTION**

**Course Number:** AGRI 1377  
**Course Title** Yield Monitoring and mapping  
**Prerequisite(s):**

**Catalog Description:** Introduction to precision hardware in yield monitoring and mapping  
**Credit Hours:** 1  
**Class Hours:**  
**Lab Hours:** 0  
**Total Contact Hours:**

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

1. Classify the type a yield monitoring equipment
2. Describe the applications of these systems
3. Identify the agronomic affect these systems have
4. Describe the benefits of the application of this hardware

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

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

- a. Categorize the precision ag componentry of yield monitors and mapping
- b. Identify the benefits of applying this technolgy
- c. Compare the different technologies that manufacturers use
- d. Operate and trouble shoot these systems

**B. GENERAL EDUCATION LEARNING OUTCOMES**

1. **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*)**

- A. Precision ag hardware fundamentals in yield monitoring and mapping
- B. Classify the different yield monitors
- C. Compare yield monitor systems by manufacturer
- D. Operation and trouble shooting

**V. INSTRUCTIONAL MATERIALS**

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

**B. Other Resources:**

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

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

- 1.** Presentation methods will include, but not limited to demonstrations, practice activities to develop proficiency and over the shoulder supervision and instruction.
- 2.** 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:

- A.** Successful completion of daily projects
- B.** Quizzes, papers, etc.
- C.** Practical Exams

### **SCC STANDARD GRADING SCALE POLICY:**

<b>A+</b>	<b>95-100</b>	<b>C+</b>	<b>75-79</b>
<b>A</b>	<b>90-94</b>	<b>C</b>	<b>70-74</b>
<b>B+</b>	<b>85-89</b>	<b>D+</b>	<b>65-69</b>
<b>B</b>	<b>80-84</b>	<b>D</b>	<b>60-64</b>
		<b>F</b>	<b>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 mastery of lab skills is essential in this class
- C.** 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

### 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.

*July, 2010*