

SOUTHEAST COMMUNITY COLLEGE

COURSE SYLLABUS

AG, FOOD AND NATURAL RESOURCES DIVISION

Revision Date: Summer Quarter 2014

I. CATALOG DESCRIPTION

Course Number: AGRI 1373
Course Title Hardware Fundamentals
Prerequisite(s):

Catalog Description: An introduction to the fundamentals of precision hardware
Credit Hours: 0.5
Class Hours:
Lab Hours: 0
Total Contact Hours:

II. COURSE OBJECTIVES: *Course will:*

1. Identify the basic componentry of precision hardware
2. Define electrical componentry of precision equipment
3. Demonstrate the capability of building and fixing electrical connectors
4. Operate electronic testing equipment

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

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

- a. Categorize different hardware system
- b. Operate basic electrical hand tools
- c. Operate a multi meter
- d. Examine different electronic devices

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. Implement hardware overview
- B. Understand basic electrical fundamentals
- C. Trouble shoot problems using a multi meter
- D. Create and repair electrical connectors in the field

V. INSTRUCTIONAL MATERIALS

A. Required Text(s): No Required Test

B. Other Resources:

USB Drive

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:

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

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. 68th 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