

**SOUTHEAST COMMUNITY COLLEGE**

**COURSE SYLLABUS**

**AG, FOOD AND NATURAL RESOURCES DIVISION**

**Revision Date: Summer Quarter 2015**

**I. CATALOG DESCRIPTION**

**Course Number:** AGRI 1131  
**Course Title** Crop and Food Science  
**Prerequisite(s):** None

**Catalog Description:** Principles and practices of production of major agronomic crops of the high plains.

**Credit Hours:** 4.5 hours

**Class Hours:** 45 hours

**Total Contact Hours:** 45 hours

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

- A. The course will demonstrate the process of the growth of various crops.
- B. The course will demonstrate the effects of climatic conditions on crop growth.
- C. The course will demonstrate the effects of management decisions on crop growth.

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

**A. STUDENT LEARNING OUTCOMES:**

- 1. The student will be able to distinguish and discuss the elements and climatic factors of crop production and the factors that affect cropping decisions.
- 2. The student will be able to identify the processes involved in plant growth and development and explain the sources and origin of seeds used in crop production.
- 3. The student shall be able to determine plant populations, nutrient requirements, weed, insect, and disease control methods for corn, sorghum, soybeans, small grain production and other agronomic and horticulture crops.

**B. GENERAL EDUCATION LEARNING OUTCOMES**

- 1. Problem Solving

The student will demonstrate the ability to define a problem, develop a plan to solve the problem, collect and analyze information, solve the problem, evaluate results, and define any need for further work. (GELO 4)

**IV. CONTENT/TOPICAL OUTLINE** (*course outline may provide more detailed information*)

- a. Understanding Agronomic and Horticulture Production
- b. Agronomic and Horticulture Plants in Relation to the Environment
- c. Botany of Agronomic and Horticulture Plants
- d. Seeding or Transplanting Rates
- e. Corn Production
- f. Sorghum Production
- g. Soybean Production
- h. Small Grain Production
- i. Horticulture Crop Production

**V. INSTRUCTIONAL MATERIALS**

**A. Required Text(s):** Introductory Crop Science, 7<sup>th</sup> edition, Richard P. Waldren.  
(Pearson Education) ISBN:0-536-12095-1

**B. Other Resources:**

Calculator, Notebook, Safety Glasses, Protective Clothing, Pliers or Vice Grips,  
Hand Protection, Three Ring Notebook, Spiral Bound Notebook

**VI. METHODS OF PRESENTATION/INSTRUCTION**

- A. Methods of presentation typically include a combination of the following:
- a. Methods will include, but not limited to:  
Lecture, laboratory assignment and tasks, power point and video presentations,  
research and writing assignments, field trips, and guest lectures and speakers.
  - b. Lab Activities

**VII. METHODS OF EVALUATION**

- A. Methods of evaluation typically include a combination of the following:
- B. Quizzes, tests, and exams
  - C. Skills project and exam
  - D. Daily Evaluation
  - E. Participation

**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 all exams, projects, and assignments.
- b. Utilize proper safety eyewear at all times in lab.

# Southeast Community College

## Syllabus Statements

### **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.

### **Americans with Disabilities Act - Reasonable Accommodations**

If you have a disabling condition that may substantially limit your ability to participate in this class, please contact the Dean of Student Services for additional information and assistance. The campus telephone numbers are: Beatrice (402) 228-8220, Lincoln (402) 437-2619, Milford (402) 761-8270

### **Electronic Devices**

Instructors may allow the use of cell phones and personal electronic devices in the classroom or lab for instructional purposes to help meet course objectives or participation in course activities. The use of cell phones or other electronic devices for **personal use** during class time may not be allowed. Each instructor can identify when the use of cell phones or personal electronic devices will be allowed. Failure to follow the instructor's directions may lead to formal disciplinary action.

### **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 the prohibitions will result in disciplinary and/or law enforcement action.

### **Hazardous Chemicals – Right to Know Statement**

Some courses offered at Southeast Community College use hazardous chemicals as part of their curriculum. If the course you are attending requires you to use or exposes you to hazardous chemicals, your instructor will provide you with information and instruction about those chemicals. That information will include: requirements regarding personal protective equipment, methods of safe handling, use, clean up, first aid measures, and etc.

### **Statement of Equal Opportunity**

The policy of Southeast Community College is to provide equal opportunity and nondiscrimination in all admission, attendance, and employment matters to all persons without regard to race, color, religion, sex, age, marital status, national origin, ancestry, veterans' status, sexual orientation, disability, or other factors prohibited by law or College policy. Inquiries concerning the application of Southeast Community College's policies on equal opportunity and nondiscrimination should be directed to the Vice President of Affirmative Action, Equity and Diversity, 301 S. 68<sup>th</sup> St. Place, Lincoln, NE 68510-2449, (402) 323-3412 or Internet e-mail; [jsoto@southeast.edu](mailto:jsoto@southeast.edu).