MURRAY STATE UNIVERSITY
COURSE SYLLABUS OUTLINE

SCHOOL OF AGRICULTURE

COURSE NUMBER:  AGR 328  CREDIT HOURS: 3

I. TITLE:

Statistics for Food and Agriculture

II. COURSE DESCRIPTION:

A course designed to enhance the quantitative skills of agriculture students. Techniques include descriptive statistics, probability, analysis of variance, and regression analysis. Discussion, examination and use of these techniques will cover and be limited to agriculturally related topics.

Prerequisite:  MAT 140 College Algebra

III. PURPOSE:

To develop and enhance students’ abilities to use statistical tools to correctly and efficiently analyze agricultural problems covered in class as well as those assigned from real life situations.

IV. COURSE OBJECTIVES:

A. To understand statistical procedures commonly employed in agriculture.
B. To properly identify the statistical method used for a variety of agricultural problems.
C. To use statistical software to examine agricultural topics and problems covered in class.
D. To explain findings from analysis.
E. To use information generated from class activities and assignments to make managerial decisions.

V. CONTENT OUTLINE:

A. Descriptive Statistics.
B. Probability Analysis.
C. T-tests, F tests.
D. Analysis of Variance.
E. Complete Randomized Block Design.
F. Simple Regression.
G. Multiple Regression.
VI. INSTRUCTIONAL ACTIVITIES:

A. Classroom Activity: Lecture and discussion regarding statistics and agriculture.
B. Assignments: written and oral.
C. Demonstrations: Use of various statistical software programs to solve quantitative problems in agriculture.
D. Laboratory Assignments.

VII. FIELD AND CLINICAL EXPERIENCES:

Students will conduct rigorous exercises using computer software to analyze and solve problems related to their specific vocational areas of agriculture.

VIII. RESOURCES:

A. TI-55 Calculator or better.
B. Five 3.5 formatted diskettes.

IX. GRADING PROCEDURES:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tests and Quizzes</td>
<td>500</td>
</tr>
<tr>
<td>Class Attendance</td>
<td>100</td>
</tr>
<tr>
<td>TOTAL</td>
<td>600</td>
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</tbody>
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Letter grades will be assigned as follows:
A > 630 points
B > 560 points
C > 490 points
D > 420 points
E < 350 points

X. ATTENDANCE POLICY:

Please refer to the most current copy of the Murray State University’s Undergraduate Bulletin.

XI. ACADEMIC HONESTY POLICY:

(Adopted by the MSU Board of Regents)
Cheating, plagiarism (submitting another person’s material as one’s own), or doing work for another person which will receive academic credit are all impermissible. This includes the use of unauthorized books, notebooks, or other sources in order to secure or give help during an examination, the
unauthorized copying of examinations, assignments, reports, term papers, or the presentation on unacknowledged material as if it were the student’s own work. Disciplinary action may be taken beyond the academic discipline administered by the faculty member who teaches the course in which the cheating took place.

NOTE: The School of Agriculture Faculty have adopted and implemented an Academic Honesty Policy in addition to the University Honesty Policy, which can be found in the current Undergraduate Bulletin and Graduate Bulletin. The policy sets guidelines regarding acts of dishonesty and the procedure to follow should an event occur. It is each Agriculture student’s responsibility to obtain and read a copy of this document. The School’s Academic Honesty Policy can be obtained by asking for a copy from any Agriculture Faculty member or the Secretary.

XII. TEXT AND REFERENCES:

Determined by instructor

XIII. PREREQUISITES:

MAT 140 College Algebra

XIV. STATEMENT OF AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY:

Murray State University endorses the intent of all federal and state laws created to prohibit discrimination. Murray State University does not discriminate on the basis of race, color, national origin, gender, sexual orientation, religion, age, veteran status, or disability in employment, admissions, or the provision of services and provides, upon request, reasonable accommodation including auxiliary aids and services necessary to afford individuals with disabilities equal access to participate in all programs and activities. For more information, contact Sabrina Y. Dial, Director of Equal Opportunity, Murray State University, 103 Wells Hall, Murray, KY 42071-3318. Telephone: 270-809-3155 (voice), 270-809-3361 (TDD).

XV. MSU SCHOOL OF AGRICULTURE CELL PHONE POLICY:

The School of Agriculture recognizes that in today’s world cell phones are a familiar and often necessary form of communication for students.

It shall be the policy of the School that no cell phone usage shall be allowed in class and/or labs without the prior consent of the course instructor. This shall
include verbal calling, incoming calls, email, text messaging, and use of cell phone calculators on tests and quizzes.

Cell phones must be kept off and out of sight (i.e. secured to a person’s belt or kept in a bag or purse away from desks and lab counters).

Should a student’s cell phone be visible, ring, or other form of unauthorized usage that is interruptive to the class or lab, the student may be asked to leave class and not return for that class/lab period.

Upon prior consent of the instructor, a student may obtain permission to have their phone on in case of an emergency or in critical family situations.

This policy also includes pagers and other electronic equipment such as blackberries and/or computers/laptops.