

Campbellsville University
MATH/CS

Course Syllabus

Dr. Janet Miller

I. Title: Mathematics 130, Elementary Statistics, 3 semester hours.

II. Catalog Description: This course is designed to acquaint the student with the logic and method of statistics through topics that include frequency distribution, mean, standard deviation, analysis of variance, regression analysis, and hypothesis testing. Application will be given through examples in various fields. This course will not count toward the mathematics major or minor programs.
Prerequisite: Basic algebra skills.

III. Textbook: "Statistics" 9th edition by Witte and Witte, Wiley Publishers.

IV. Student Performance Objectives:

1. The student will demonstrate the ability to think logically and critically.
2. The student will be able to communicate mathematics in oral or written form.
3. The student will demonstrate quantitative literacy by interpreting, planning, and solving real world problems
4. The student will demonstrate knowledge of the role of ethics in mathematical pursuits.

V. Course Requirements:

1. Attendance Policy: Each student is expected to be present at all class meetings. As with any mathematics course, it is important the student understand the concepts as they are presented. Roll will be taken at each class meeting. **After six absences the students course grade average will be lowered four percentage points for each absence past six.** In the event that a student misses class, that student is STILL EXPECTED TO FIND OUT AND COMPLETE ANY ASSIGNED WORK. Being absent is NOT AN EXCUSE for not having the assignment. In addition, this course will be in compliance with the University's Undergraduate Student Attendance Policy. (See the Student Handbook.)

2. Classroom Behavior: *Students must bring their textbook, pen or pencil, and paper to every class meeting.* Failure to bring the proper materials to class will result in a dismissal from the class until the student has acquired the appropriate materials. If you need to temporarily borrow a textbook please talk to me after class. Each student is expect to conduct themselves in a socially acceptable manner. Courtesy toward the professor and other students in the class is essential. Each student is expected to stay in the classroom during the entire class time. Coming in late is NOT acceptable and the door will be locked if this becomes a chronic problem. Leaving the classroom to do things like; answer the telephone, go to the bathroom, or to get a breath of fresh air are not acceptable since it disrupts the entire class.

Students ARE NOT allowed to leave the classroom once testing has begun unless they are prepared to turn in their test. Students are also expected to arrive on time, stay awake during class, not engage in social chit chat during the lecture, and to participate when called upon. Failure to behave properly can result in the student being permanently dismissed from class.

3. Testing and Grading: Daily assignments will be made. There will be three one-hour exams worth 100 points each administered approximately every four weeks starting February. . There will be a comprehensive final exam worth 150 points administered during final exam week. **There will be MAKE-UP TESTS ADMINISTERED during the last week of classes no matter what the reason is for missing the exam.** If a student misses the final exam for **ANY REASON** then the grade of X will be given for the course grade or a zero will be given on the final exam at the professor's discretion. If a grade of X is given the student has one month after reentering the University to take a special examination in order to change this grade. If the student fails to take the special examination within the required period a zero will be recorded for the final exam score and averaged with the student's other scores. There will be weekly quizzes administered. There will be **no make-up** quizzes given for any reason. The highest 10 quiz scores will be used as another test score and the remainder dropped. So there will be 550 points possible for the student to earn. The grading scale is percentage based as follows.

<u>percent (%)</u>	<u>grade</u>
90%-100%	A
80%-89%	B
70%-79%	C
60%-69%	D
0-59%	F

No "extra" credit will be given. No "extra" work will be assigned. Therefore you must perform reasonably well on the exams.

4. Academic Integrity

Cheating will not be tolerated in this course. The first time a student is determined to be cheating on an exam a grade of zero will be assigned to that exam. The second time the student is caught cheating on an exam the course grade will automatically become an F regardless of past or future performances in this course.

5. CELLULAR PHONE (or similar device) POLICY: Each student is required to read and sign a contract describing the cell phone policy for this course. A copy of the contract will be kept on file and another provided to the student. This course adheres to a **NO TOLERANCE POLICY ON CELL PHONE (or similar device) USE during class time.** (See the attached contract.)

6. Electronic Devices, Programmable Devices, and Calculators:

Graphing calculators will not be permitted on tests or quizzes unless otherwise stated by the professor. HOWEVER non-graphing calculators will be required for course work. Handheld computers, programmable devices etc. will not be permitted for use on any exam. Telephones cannot be used as calculators. Electronic devices are prohibited in the classroom unless approved in advance by the professor.

7. Children In -Class Policy

Children are **not** allowed in the classroom or laboratory facilities.

8. Disability Statement: Campbellsville University is committed to reasonable accommodations for students who have documented physical and learning disabilities, as well as medical and emotional conditions. If you have a documented disability or condition of this nature, you may be eligible for disability services. Documentation must be from a licensed professional and current in terms of assessment. Please contact the Coordinator of Disability Services at 270-789-5192 to inquire about services.

9. Campus Security Phone Numbers: OFFICE: 270-789-5555 CELL: 270-403-3611

10. Title IX Policy.

Title IX Policy:

Campbellsville University and its faculty are committed to assuring a safe and productive educational environment for all students. In order to meet this commitment and to comply with Title IX of the Education Amendments of 1972 and guidance from the Office for Civil Rights, the University requires all responsible employees, which includes faculty members, to report incidents of sexual misconduct shared by students to the University's Title IX Coordinator.

Title IX Coordinator:

Terry VanMeter
1 University Drive
UPO Box 944
Administrative Office 8A
Phone: 270-789-5016
Email: twvanmeter@campbellsville.edu

Information regarding the reporting of sexual violence and the resources that are available to victims of sexual violence is set forth at : www.campbellsville.edu/titleIX

11. Teaching Methods: Students will be taught through class participation and discussion, group work, lecture, assigned written work, and problem solving.

VI. Course Outline: (Topics Include)

1. Introduction
2. Describing Data with Tables and Graphs
3. Describing Data with Averages
4. Describing Variability
5. Normal Distributions
6. Describing Relationships: Correlation
7. Regression
8. Populations, Samples, and Probability
9. Sampling Distribution of the Mean
10. Introduction to Hypothesis Testing
11. More about Hypothesis Testing
13. t Test for One Sample
19. Chi-Square Test

VII. Auxiliary Texts for reference purposes:

1. "Statistics" by Larsen and Marx
2. "Statistics: A Tutorial Workbook" by Pisani

VIII. My Location: My office is in Carter Hall #315. My office hours will be posted by my office door. If those office hours do not work with your schedule feel free to schedule an appointment. My email address is jmiller@campbellsville.edu. My office phone number is (270) 789-5325.

**Cell Phone (or similar device) Policy Contract for
MTH 130, Elementary Statistics**

*PLEASE READ THE FOLLOWING VERY CAREFULLY SINCE, THIS IS A NO TOLERANCE
POLICY ON PHONE USE IN CLASS AND THE FAILURE TO COMPLY IS SEVERE.*

- (1) USE OF CELLULAR TELEPHONES (or similar devices) ARE PROHIBITED DURING CLASS TIME. THIS INCLUDES TEXT MESSAGING.
- (2) ANY STUDENT USING THEIR DEVICE DURING CLASS TIME WILL BE ASSIGNED A FAILING GRADE FOR THE COURSE and will no longer need to attend the class.
- (3) Although different policies exist in varying courses this course has a NO TOLERANCE POLICY ON COMMUNICATION DEVICE USE DURING CLASS. Research has shown that a student using a cell phone unrelated to the course material during class time diminish their abilities to learn the subject matter being presented. No student needs this kind of handicap while trying to master a subject. If using the telephone is more important than your grade in the course then wasting your time and the professor's time is an unnecessary outcome.
- (4) For purposes of campus safety Dr. Miller will have a cell phone at her disposal in case of an emergency.
- (5) TURN OFF YOUR PHONES AND PUT THEM SOMEWHERE THAT DOES NOT CREATE A TEMPTATION AT THE BEGINNING OF EVERY CLASS.

I understand what is stated in this policy and agree to adhere to these conditions under penalty of a failing grade.

Student

Date

Dr. Janet Miller, Professor

Date

