

CENTRAL METHODIST UNIVERSITY
College of Graduate and Extended Studies

MA 105
Probability and Statistics
(3 Credit Hours)

Instructor: Cindy McCord

Phone: 573-447-3311

Fax: 573-777-9972 or 573-447-3313

Email: itv1619@aol.com

Mailing Address: Cindy McCord

1619 Paris Road

Columbia, MO 65201

MISSION

CENTRAL METHODIST UNIVERSITY prepares students to make a difference in the world by emphasizing academic and professional excellence, ethical leadership, and social responsibility.

CREED

The **CENTRAL METHODIST UNIVERSITY** community believes in:

- Seeking knowledge, truth, and wisdom;
- Valuing freedom, honesty, civility, and diversity;
- Living lives of service and leadership; and
- Taking responsibility for ourselves and the communities in which we live.

COURSE DESCRIPTION

In statistics you will learn methods for visual presentation of data, and how to find measures of central tendency and variation. You will learn elementary probability and study many different types of distributions. You will also learn how to use inferential statistics, hypothesis testing, regression, and correlation.

Class attendance is mandatory.

You will be responsible for everything covered in class and the assigned sections of the text. There will be required problem sets for each chapter. There will also be a comprehensive midterm exam and a comprehensive final exam.

Grades will be determined in the following manner: problem sets will count as 50% of the grade and midterm and final exams will each count as 25% of the grade. The following is the grading scale that will be used:

90-100%	A
80-89%	B
70-79%	C
60-69%	D
below 60%	F

Generally, one section will be covered in each class period. It is very important for students to keep up and to ask for help when having difficulty in understanding a concept or problem. **Problem sets will have specific due dates and students will be given only 50% credit for late work.**

If an exam is missed it is the responsibility of the student to make arrangements to take a make-up exam. Missed exams must be made up in a timely fashion and an absence must be verifiable as excused.

TEXTBOOK

Understandable Statistics, Brase & Brase, 7th Edition, Houghton Mifflin

PREREQUISITE

Grade of C or better in MA 103 (College Algebra)

ACADEMIC HONESTY POLICY

Central Methodist College's Policy on academic honesty is attached and will be strictly enforced.

ACADEMIC PROPERTY

All work (original or copy) submitted by the student to satisfy the requirements of the course may be retained at the discretion of the instructor for non-profit and educational purposes. Such work is generally used for assessing the course and providing evidence of student accomplishment for review by accrediting agencies. Any student wishing to prohibit such use of their work may do so by notifying the instructor in writing.

NONDISCRIMINATORY POLICY

Central Methodist University does not discriminate on the basis of race, color, religion, sex, national origin, age, or federally defined disability in its recruitment, admission, and retention of students.

ACADEMIC HONESTY POLICY

Central Methodist University believes that honesty throughout life is a significant foundation of character and personal integrity. The University's Policy on Academic Honesty applies to all forms of academic work, including but not limited to quizzes and examination, essays and papers, lab reports, oral presentations, surveys, take-home tests, etc. Every student is responsible for understanding this policy. By registering at the university, every student accepts the obligation to abide by this policy. Students are also responsible for understanding the particular policy applications required by each of their instructors and to ask the instructor for clarification of any areas of uncertainty.

Academic honesty requires that each person accept the obligation to be truthful in all academic endeavors. To help members of the community understand the implications of academic honesty; the University provides the following explanation of academic dishonesty.

Academic dishonesty is any conduct that has either as its intent or its effect (independent of intent) the false representation of a student's academic performance.

Academic dishonesty includes but is not limited to the following:

1. Cheating in any form (e.g., ghost-written papers, cheat sheets or notes, copying during exams, quizzes or other graded class work, etc.)
2. Collaborating with others on work to be presented contrary to the stated rules of the course
3. Stealing or having unauthorized access to examination or course materials.
4. Falsifying records, or laboratory or other data.
5. Submitting work previously presented in another course without the advance consent of the instructor.
6. Knowingly and intentionally assisting any other student in any act of academic dishonesty (this includes intentionally allowing any other student to use or submit your academic work or performance, or other academic work supplied by you, under a name different from the author of the work), and
7. Plagiarism. Plagiarism is a form of cheating and stealing. It is morally unacceptable as well as against academic policy. Plagiarism includes but is not limited to (1) representing as one's own work a paper, speech, or report written in whole or in part by someone else (from the unaccredited use of significant phrases to the unaccredited use of larger portions of materials), (2) failing to provide appropriate recognition of the sources of borrowed material through the proper use of quotation marks, proper attribution of paraphrases, and proper citations. Paraphrase is the direct use of others' ideas, data, or structures of thought stated in language substantially different from the source upon which they depend, and therefore not requiring quotation marks even though the substance of the material is borrowed. In borrowed material, appropriated recognition of the source must be given.

The University will discipline students for infractions of the Academic Honesty Policy with various sanctions which it deems appropriate, up to and including suspension or expulsion from the University. Penalties internal to a course, including grades and expulsion from the course, are at the discretion of the instructor. Students can appeal instructors' internal course penalties to the Committee on Academic Standards and Admissions, whose decision is final. Instructors must report all penalties they impose for academic dishonesty, with a brief account of the offense, to the Dean of the University, so that all violations are recorded. For serious or repeated offenses, the Dean may impose further penalties beyond the course penalty. These penalties include but are not limited to notations in the student's file, notations on the student's transcript, probation, suspension, and expulsion. A decision by the Dean of the University can be appealed to the Faculty Committee on Academic Standards and Admission, whose decision is final.