CENTRAL METHODIST UNIVERSITY
MA 105 ELEMENTARY STATISTICS
DUAL CREDIT – ITV – Columbia
Spring 2018

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MISSION

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

COURSE DESCRIPTION

This course is an introduction to basic statistical procedures with application to all areas. This course covers descriptive and inferential statistics. The descriptive portion analyzes data through graphs, measures of central tendency and spread. Other statistical practices utilize basic probability, binomial and normal distributions, estimation of population parameters, hypothesis testing, linear regression and correlation. Analytical reading and problem solving are required for success in this course.

Common Core Competencies: MA 105 meets the competency requirements for Foundations in Mathematical Literacy [I.5-6].

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.

<u>TEXTBOOK</u>

<u>**Understandable Statistics**</u>, Brase & Brase, 7th Edition, Houghton Mifflin, 2003. ISBN: 0-618-20554-3

<u>**Calculator**</u>**: A graphing calculator is not required for the course but is extremely helpful.**

<u>PREREQUISITE</u>

 ACT Math Sub-score at least 20 or grade of C or better in MA103 (College Algebra)

<u>CLASS ATTENDANCE</u>

Students may not be successful in college for many reasons, but the principle reasons for student failure are excessive absence from class and the lack of class preparation. The faculty and administration expect students to attend classes regularly and to establish adequate study patterns. The University reserves the right to withdraw any student from one or more classes or from the University for excessive absence. Students are responsible for any work missed as a result of absence. They should consult with their instructor to make satisfactory arrangements for academic work missed. This should be done in advance whenever possible. Absence from class does not constitute withdrawal from the class or from the college. Students who leave school without completing the withdrawal process forfeit their claim to honorable dismissal and will receive a grade of "F" for all courses in progress.

<u>ACADEMIC PROPERTY</u>

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.

<u>**ADA Compliance Policy: CMU is committed to ensuring nondiscrimination and equal access to all programs, service, and activities for qualified students with a disability. Contact the Center for Learning and Teaching to request reasonable accommodations or to obtain further information.**</u>

<u>STUDENTS WITH DISABILITIES POLICY</u>: refer to CGES catalog
http://www.centralmethodist.edu/academics/catalog/cges-catalog/policies/index.php

<u>GRIEVANCE POLICY</u>: Central Methodist University has established a grievance policy and process designed to provide students and others with a process to resolve potential issues. This policy and process is established to provide persons with an avenue to file a written concern and to establish a process to track and implement changes as a result of said concern. For more detailed information consult the CLAS catalog at:
http://www.centralmethodist.edu/academics/catalog/clas-catalog/policies/index.php.

If an issue cannot be solved through consultation with the faculty or division chair, students can report an incident/issue within 30 days of the event via the online web form (https://cm.maxient.com/reportingform.php?CentralMethodistUniv).

ACADEMIC CONDUCT:

Students are expected to follow Central Methodist University's code of academic conduct and honesty as outlined in the current CMU catalog and on the CMU website. It is the student's responsibility to review and understand the CMU Academic Conduct Policy. Any student caught committing academic misconduct may have any or all of the following consequences in this class:

l. Grade of zero on the individual assignment

2. Grade of F in the class

3. Dismissal from the class

4. Dismissal from the education program

5. A notation of academic misconduct on your transcript.