Course Title: INTRODUCTION TO MATHEMATICAL STATISTICS II

Course Credit Hours: 3

Instructor Name and Contact Information:
Morris L. Marx
Trustees Professor and President Emeritus
Office Address: Building 4, Room 326
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Office Hours: MW 2:50 p.m. – 3:50 p.m. R 1:00 p.m. – 4:00 p.m.
Or by appointment

Prerequisites or Co-Requisites: STA 4321 or equivalent mathematical probability course

Course Description: This course is an introduction to mathematical statistics. It is more theoretical than an applied statistics course and takes a mathematical approach. Some theorems will be proved. There also will be "real world" applications of the theory.

Student Learning Outcomes:
1. An understanding of mathematical statistics
2. Preparation for further specialized study in mathematical statistics
3. An understanding of the applications of statistics to a diverse set of areas
4. Recognition of the subtleties in using statistics

Topics Covered: Point and interval estimates, measures of quality of estimates, statistical hypothesis testing, goodness of fit, contingency tables, regression.


Grading / Evaluation:
There will be three tests and a final examination. The final examination will be comprehensive and cover all of the material in the course. The final examination will count for 30% of the
course grade. A final exam that is better than the test/homework average may be weighted more heavily than 30%, at the instructor's discretion.

**Special Technology Utilized by Students:** Elluminate, eLearning, scientific calculator

**Expectations for Academic Conduct/Plagiarism Policy:**
As members of the University of West Florida, we commit ourselves to honesty. As we strive for excellence in performance, integrity—personal and institutional—is our most precious asset. Honesty in our academic work is vital, and we will not knowingly act in ways that erode that integrity. Accordingly, we pledge not to cheat, nor to tolerate cheating, nor to plagiarize the work of others. We pledge to share community resources in ways that are responsible and that comply with established policies of fairness. Cooperation and competition are means to high achievement and are encouraged. Indeed, cooperation is expected unless our directive is to individual performance. We will compete constructively and professionally for the purpose of stimulating high performance standards. Finally, we accept adherence to this set of expectations for academic conduct as a condition of membership in the UWF academic community.

**Assistance:**
The Student Disability Resource Center (SDRC) at the University of West Florida supports an inclusive learning environment for all students. If there are aspects of the instruction or design of this course that hinder your full participation, such as time-limited exams, inaccessible web content, or the use of non-captioned videos and podcasts, please notify the instructor or the SDRC as soon as possible. You may contact the SDRC office by e-mail at sdrc@uwf.edu or by phone at (850) 474-2387. Appropriate academic accommodations will be determined based on the documented needs of the individual.

**Withdrawal Policy:**
March 22 is the last day to withdraw with an automatic grade of W. After March 22, students who are requesting a late withdrawal from class must have the approval of the advisor, instructor, and department chairperson (in that order) and finally, by the Academic Appeals committee. Requests for late withdrawals may be approved only for the following reasons, which must be documented. Requests without documentation will not be accepted.
1. A death in the immediate family.
2. Serious illness of the student or an immediate family member.
3. A situation deemed similar to categories 1 and 2 by all in the approval process.
4. Withdrawal due to Military Service (Florida Statute 1004.07)
5. National Guard Troops Ordered into Active Service (Florida Statute 250.482)

Requests for late withdrawals simply for not succeeding in a course do not meet the criteria for approval and will not be approved.

Dec. 26, 2012