

Marshall University
DEPARTMENT OF MATHEMATICS
STUDENT INFORMATION SHEET AND SYLLABUS

Course Title/Number	STA 345 – Applied Probability and Statistics
Semester/Year	Spring 2018
Days/Time	MWF 1:00 – 1:50 PM
Location	SH 511
Instructor	Alaa Elkadry
Office	3231 WAEC
Phone	(304) 696-3047
E-Mail	elkadry@marshall.edu
Office Hours	MW 2:00-4:00 PM and 5:00-6:00 PM and by appointment.
University Policies	By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by going to www.marshall.edu/academic-affairs and clicking on “Marshall University Policies.” Or, you can access the policies directly by going to www.marshall.edu/academic-affairs/policies/ . Academic Dishonesty/Excused Absence Policy for Undergraduates/Computing Services Acceptable Use/Inclement Weather/Dead Week/Students with Disabilities/Academic Forgiveness/Academic Probation and Suspension/Academic Rights and Responsibilities of Students/Affirmative Action/Sexual Harassment
Policy for Students with Disabilities:	Marshall University is committed to equal opportunity education for all students, including those with physical, learning and psychological disabilities. University policy states that it is the responsibility of students with disabilities to contact the Office of Disability Services (ODS) in Prichard Hall 117 (304.696.2467) to provide documentation of their disability. Following this, the ODS Coordinator will send a letter to each of the student's instructors outlining the academic accommodation he/she will need to ensure equality in classroom experience, outside assignment, testing, and grading. The instructor and student will meet to discuss how the accommodation(s) requested will be provided. For more information, access the website for the Office of Disabled Student Services: http://www.marshall.edu/disabled .

Course Description: From Catalog

Statistical methods in scientific/engineering research, with emphasis on applications. Probability modeling, experimental design/survey sampling, estimation/hypothesis testing procedures, regression, ANOVA/factor analysis. Implementation using Excel.

Required Texts and Other Materials

Title	: Applied Statistics and Probability for Engineers, 8 th Edition.
Author	: Jay L. Devore
ISBN	: 978-0-538-73352-6
Publisher	: Cengage Learning.
Calculator	: You will need a calculator. It is recommended that you use a TI-83/TI-83 plus or similar graphing calculator. You may use the calculator on all work and assignments in this class. You may not use your phone, iPad, laptop, etc. as a calculator on any quiz or exam. No other technology may be used in class without permission.
MUOnline	: Assignments, announcements, grades and other course materials will be posted regularly on MUOnline.

Course Requirements

Prerequisite: A grade of C or higher in MTH230.

Homework: Homework will be assigned for each topic we discuss in class. It is your responsibility to understand the homework because test and quiz questions will be based on these problems.

Attendance Policy

Students are expected to attend all scheduled classes. It is the student's responsibility to find out what was discussed in a missed class. Attendance records will not be used to compute grades; however, missing class can be expected to significantly reduce your chances of success. Note also that it is the student's responsibility to present approved notice of any absence that would be excused under the terms and regulations stipulated by the university.

Student behavior

Students are advised to turn their cell phones and other noise generating devices off prior to entering the class. In the case where a student awaits any emergency call, the noise should be restricted and made personal. And in this case, I should be notified as soon as the student enters the class. Food items, apart from water or soft drink, are not allowed in the class. The reading of newspapers and other unrelated materials while the class is in session is prohibited. Please ensure that other students are respected.

Grading Policy and Exam dates

The final grade will be based on the following components:

Regular Exams	300 points (100 points for each of the 3 in class exams)
Quizzes	100 points
Final Examination	200 points (Comprehensive)
Total	600 points

The semester grade will be based on the percentage of the 200 total possible points, using the following scale:

90 -100% -- A
80 - 89% -- B
70 - 79% -- C
60 - 69% -- D
00 - 59% -- F

EXAM I: Monday, September 24th (tentative)

EXAM II: Monday, October 21st (tentative)

EXAM III: Friday, November 16th (tentative)

FINAL EXAMINATION: Friday, December 14th [12:45 – 2:45 PM]