

Marshall University
MTH 225 Syllabus

Course Title/Number	Introductory Statistics MTH 225
Semester/Year	Spring 2016
Section/CRN	208/6052
Days/Time	12:30 pm - 1:45 pm TR
Location	CH 354
Instructor	Laura Stapleton
Office	SH 720
Phone	304-633-4334
E-Mail	stapleto@marshall.edu
Office Hours	10:00 am – 12:30 pm TR

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
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Course Description: From Catalog

This course introduces students to basic probability, descriptive statistics, fundamental statistical inference procedures involving estimating and hypothesis testing for a variety of situations with wide applications. Prerequisites: ACT Math 21 or MTH 121 or higher with a grade of C or better.

The table below shows the following relationships: How each student learning outcome will be practiced and assessed in the course.

Course Student Learning Outcomes	How students will practice each outcome in this Course	How student achievement of each outcome will be assessed in this Course
Students will identify types of data.	Homework	Quizzes and Exams
Students will organize data using a frequency distribution.	Homework	Quizzes, Computer Projects and Exams
Students will draw and interpret a stem and leaf plot.	Homework	Quizzes and Exams
Students will summarize data using measures of central tendency.	Homework	Quizzes, Computer Projects and Exams
Students will describe data using measures of variation	Homework	Quizzes and Exams
Students will determine the probability of an event and compound events.	Homework	Quizzes and Exams

Students will find the conditional probability of an event.	Homework	Quizzes and Exams
Students will use the elementary tools of data collection, description, and analysis.	Computer Projects	Computer Projects
Students will interpret the results of statistical studies.	Computer Projects	Computer Projects

Required Texts, Additional Reading, and Other Materials

(1) *Elementary Statistics – A Step by Step Approach (A Brief Version)* by Alan Bluman (Seventh Edition) ISBN: 9780077720582

(2) Calculator – A calculator is allowed on all assignments and tests. You may not use your phone, iPad, laptop, etc. as a calculator on any quiz or exam. You are not allowed to share calculators during a test.

(3) Access to a computer with Microsoft Excel.

(4) MUOnline: Assignments, announcements, grades and other course materials will be posted regularly on MUOnline

Grading Policy

Semester grades will be based on the following:

Category	Percentage
Tests (3 @ 20%)	60%
Computer Projects	10%
Quizzes	10%
Attendance	5%
Final	15%
	100%

Grading scale: 90 – 100 A
80 – 89.99 B
70 – 79.99 C
60 – 69.99 D
Below 60 F

Homework: For each section that we discuss in class, homework problems will be assigned from the textbook. It is your responsibility to understand the homework because test and quiz questions will be based on these problems. You are encouraged to work with your peers on the homework outside of class and to ask me if you have any questions. The problems will not be graded; they are for your benefit in assisting you with understanding the material.

Quizzes: Prior to each test, there will be a quiz (low stakes) that can help you practice with the material prior to the test.

Attendance Policy

You will gain the most from this course by attending and participating. It is the student's responsibility to find out what was discussed in a missed class. Examples of an excused absence include but are not limited to, death in the family, university event, illness with doctor's excuse. Any absence over 3 days must be taken to the Dean of Student Affairs office in the Memorial Student Affairs office in order to be excused. If an absence is excused, then the work can be made up.

Exam Policy

There will be a total of three in-class exams and one comprehensive final covering the material from the text. The scheduled date for these exams is given later in the syllabus. Valid excuses for missing an exam fall into five categories: university-sponsored activities; student illness or critical illness/death in the immediate family; short-term military obligation; jury duty or subpoena for court appearance; or religious holidays. If you miss an exam due to an excused absence, you are allowed to take a makeup test at the instructor's and your earliest convenience. If you miss a test due to an unexcused absence, you will receive a grade of 0 for that test. By university policy, an unexcused absence from a final exam earns an F in the course (page 91 of the 2014 – 15 undergraduate catalog). **The final will be on Tuesday, May 3, 2016 at 12:45 pm – 2:45 pm in our classroom.**

Academic Integrity Policy

The University Rules, including the Code of Conduct, and other documented policies of the department, college and university related to academic integrity, will be enforced. Any violation of these regulations will be dealt with on an individual basis according to the severity of the misconduct.

Student Behavior

Students are advised to mute/turn off their cell phones prior to entering the class and direct your attention to the classroom activities.

Tutoring

Math Department Open Computer Lab

Location: Smith Hall 620

Hours: MTWR 5pm – 7pm

Math Department Tutoring Lab

Location: Smith Music Hall 115

Hours: MTWR 10am – 4pm and F 10am – 12noon

University College – Laidley Hall

The University College tutoring lab is on the first floor of Laidley Hall. Information regarding this facility can be found at www.marshall.edu/wpmu/uc/tutoring-services.

Tentative Weekly Schedule

Week	Date	Topic	Week	Date	Topic	Week	Date	Topic
1	Jan 12	Introduction, 1.1	6	Feb 16	4.3—4.4	11	Mar 29	8.3—8.4
	Jan 14	1.2—1.3		Feb 18	4.5, 5.1		Mar 31	8.5 – 8.6
2	Jan 19	1.4, 2.1	7	Feb 23	5.2—5.3	12	Apr 5	9.1—9.2
	Jan 21	2.1—2.2		Feb 25	6.1—6.2		Apr 7	9.3—9.4
3	Jan 26	2.3—2.4	8	Mar 1	6.3—6.4	13	Apr 12	9.5, 10.1
	Jan 28	3.1—3.2		Mar 3	7.1—7.2		Apr 14	10.2—10.3
4	Feb 2	3.3—3.4	9	Mar 8	7.3 – 7.4	14	Apr 19	Review for Exam 3
	Feb 4	4.1—4.2		Mar 10	Review for Exam 2		Apr 21	Exam 3
5	Feb 9	Review for Exam 1	10	Mar 15	Exam 2	15	Apr 26	Review for Final
	Feb 11	Exam 1		Mar 17	8.1—8.2		Apr 28	Review for Final

MARSHALL UNIVERSITY SPRING 2016 EXAM SCHEDULE

EXAM HOUR	MONDAY MAY 2	TUESDAY MAY 3	THURSDAY MAY 5	FRIDAY MAY 6
8:00 A.M. TILL 10:00 A.M.	CLASSES MEETING AT 8:00 MWF	CLASSES MEETING AT 9:30 TR	CLASSES MEETING AT 8:00 TR	CLASSES MEETING AT 9:00 MWF
10:15 A.M. TILL 12:15 P.M.	CLASSES MEETING AT 10:00 MWF	CLASSES MEETING AT 11:00 MWF	CLASSES MEETING AT 11:00 TR	CLASSES MEETING AT 12:00 MWF
12:45 P.M. TILL 2:45 P.M.	CLASSES MEETING AT 2:00 MWF	CLASSES MEETING AT 12:30 TR	CLASSES MEETING AT 2:00 TR	CLASSES MEETING AT 1:00 MWF

NOTE: All classes meeting at 3:00 p.m. and after will be examined in two-hour time blocks at the first regularly scheduled class meeting during the above examination period. If the two-hour time allowance results in a conflict in exam times, it is the student's responsibility to notify the professor of the later course and to reschedule the later exam. Rescheduled exams must be concluded by Friday, May 6, at 6:00 p.m.

All Wednesday (only) afternoon classes, those meeting at 3:00 p.m. and after, will be examined Wednesday, May 4.

Saturday classes will be examined April 30 at their regularly scheduled class period.

The common final exam time and date for all sections of CHM111, CHM 203, 211, 212, 355, and 356 will be 10:00 a.m. Saturday, April 30.

DEADLINE FOR ONLINE SUBMISSION OF GRADES TUESDAY, MAY 10, 12:00 NOON.

