

Syllabus

Course: MTH 225 Introductory Statistics

Term: Spring 2016

Section: 206 CRN: 4062

Instructor: Nick Bedway
Office: Gullickson Hall 212N (Huntington Campus)

Office Hours: By Appointment
Phone/E-mail: 304-696-3257/bedway@marshall.edu

Required Texts: *Elementary Statistics – A Step by Step Approach (A Brief Version)* by Bluman (Seventh Edition)

Computer Requirements: This class requires a scientific or graphing calculator. The math department recommends the TI-83/84. This is the calculator I will utilize in class. All electronic communications will be through your Marshall E-Mail. If you use another e-mail service, please have your Marshall e-mail forwarded to that e-mail address.

University Computing Services' Acceptable Use Policy: All students are responsible for knowing this policy, which can be found on the web at http://www.marshall.edu/ucs/cs/acceptable_use.pdf.

Course Description: Introductory Statistics (3 hours) Basic probability, descriptive statistics, fundamental statistical inference procedures involving estimation and hypothesis testing for a variety of situations with wide applications (PR: (a) ACT \geq 21, or (b) SAT \geq 500, or (c) MTH 121, 123, 127, 130E, 122, or 130). The course covers basic descriptive statistics, elementary probability: rules and distributions, estimation and hypothesis testing, causal relationship, basic categorical analysis and one-way analysis of variance.

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
The Student will be able to use the elementary tools of data collection, description, and analysis.	Students will practice this outcome by doing homework and in class activities	Students will be assessed on this outcome using online homework assignments, tests and comprehensive final exam.
The Student will be able to interpret the results of statistical studies.	Students will practice this outcome by doing homework and in class activities	Students will be assessed on this outcome using online homework assignments, tests and comprehensive final exam.
The Student will be able to design and carry out simple experiment.	Students will practice this outcome by doing homework and in class activities	Students will be assessed on this outcome using online homework assignments, tests and comprehensive final exam.
The Student will be able to Use a computer spreadsheet program to carry out these tasks.	Students will practice this outcome by doing homework and in class activities	Students will be assessed on this outcome using online homework assignments and discussion questions.

Academic Honesty: Students are expected to present their own work on all tests and homework quizzes. Asking questions, discussing solutions with other students — **not copying the work**—is an essential part of the learning process. **Know the difference.** If you have any questions about the policy to be followed, please see pages 71-73 of the 2015-16 undergraduate catalog or go to this webpage: http://www.marshall.edu/catalog/files/UG_15-16_final_published.pdf

Inclement Weather Policy: Any announcement about school closings may be found by: announcements on one of the four local FM radio stations: Big Country 99.5, The River 101.5, Sunny 93.1, and The Frog 92.1; check the website www.marshall.edu/movc; or the weather hotline (304) 674-7239.

Disabled Students: **IF YOU HAVE ANY DISABILITY** that may prevent you from full participation in any of the activities of this class, please let me know as soon as possible so that arrangements can be made and be sure to register with the Office of Disabled Student Services or with the H.E.L.P program. Accommodations in testing, readers, tutors, and extra help sessions are available, but only after a discussion with the office of D.S.S. or H.E.L.P and me.

Equal Opportunity/Affirmative Action Policy: This course will follow Marshall University's policy on Equal Opportunity/ Affirmative Action, which can be found on p. 68 of the 2015-16 undergraduate catalog or go to this webpage: http://www.marshall.edu/catalog/files/UG_15-16_final_published.pdf Specifically, all students will be afforded equal opportunity without regard to race, color, sex, religion, age, disability, national origin, or sexual orientation.

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Attendance Policy: You will gain the most from this course by attending and participating. Therefore, unexcused absences from three or more classes will result in an F. Students must provide evidence to justify a University Excused Absence on the first day you return to class

Homework Quiz Policy: Homework will be assigned every class meeting. Online homework quizzes will also be assigned and need to be completed by the due dates in the assignments.

Exam Policy: There will be a total of three in-class exams and one comprehensive final covering the material from the text. The approximate time-frame 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 Monday, May 2, 2016 at 5:00 pm in our classroom (Rm. [redacted]).**

Evaluation/Measurement of Learner Outcomes

Discussion Questions	5.0%, 50 points
Homework/Quizzes	18.0%, 180 points
Exams (3 @ 19% each)	57.0%, 570 points
<u>Final</u>	<u>20.0%, 200 points</u>
Total	100.0%, 1000 points

Assessment Evaluation Methods:

- Ten Discussion Questions worth five points each.
- Eighteen homework and/or quizzes worth 10 points each. Quizzes will be multiple choice and short answer questions. The course grade will be computed using the exact point scores.
- Three exams will be evaluated by multiple choice questions and written questions. Letter grades will be assigned for each exam, but the course grade will be computed using the exact point scores, not by averaging letter grades.
- A final exam will be evaluated by multiple choice questions and written questions. Letter grades will be assigned for the exam, but the course grade will be computed using the exact point scores, not by the letter grade.

Grading Policy:

Grades will be assigned according to the following scale:

90 – 100%, 895 – 1000 points	A
80 – 89 %, 795 – 894 points	B
70 – 79 %, 695 – 794 points	C
60 – 69 %, 595 – 694 points	D
59 – 0%, 0 – 594 points	F

Dissemination of Announcements and Additional Course Information: The instructor of this course will make every effort to disseminate all information pertinent to the class during the normal class meetings; however, times arise when it is necessary to disseminate information outside the normal meeting times. The instructors, in this case, will use the Marshall University E-mail system to disseminate any pertinent information to the student. The student is expected to check his/her email twice daily.

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Tentative Weekly Schedule

Week	Date	Topic	Week	Date	Topic	Week	Date	Topic
1	Jan 11 Jan 13	Introduction 1.1—1.6	6	Feb 15 Feb 17	Exam 1 5.1—5.2	11	Mar 28 Mar 30	8.4—8.6 9.1—9.3
2	Jan 18 Jan 20	No Class, MLK Day 2.1—2.2	7	Feb 22 Feb 24	5.2—5.3 6.1—6.2	12	Apr 4 Apr 6	9.3—9.5 10.1—10.2
3	Jan 25 Jan 27	2.3—2.4 3.1—3.2	8	Feb 29 Mar 2	6.3—6.4 7.1—7.2	13	Apr 11 Apr 13	10.3, 11.1 11.2—11.3
4	Feb 1 Feb 3	3.3—3.4 4.1—4.3	9	Mar 7 Mar 9	7.3—7.4 8.1—8.3	14	Apr 18 Apr 20	Review for Exam 3 Exam 3
5	Feb 8 Feb 10	4.3—4.5 Review for Exam 1	10	Mar 14 Mar 16	Review for Exam 2 Exam 2	15	Apr 25 Apr 27	Review for Final Review for Final

Important Dates

January 11-First Day of Classes

January 11 – January 15-Late Registration

January 18-University Closed, Labor Day

January 19 -“W” Withdrawal Period Begins

March 7-Freshmen Mid-Term Grades Due

March 18-Last Day to Drop a Full Semester Individual Course

March 21 – March 25-Spring Break

March 28-Classes Resume

April 25 – April 29-“Dead Week”

April 29-Last Day to Completely Withdraw

May 2-Final Exam

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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.

