

STAT 216 Introduction to Statistics Fall, 2009

Course Coordinator & Instructor: Cindy Leary Corbin Hall 269
243-6712 cindy.leary@mso.umt.edu - BEST WAY TO REACH ME!

Stat 216 Homepage: There is a main website for Stat 216 shown below. To access the solutions to homework problems and recommended problems you will also need the username and password.

1. <http://www.math.umt.edu/leary/stat216/>
2. user: stat216 password: stat2cool

This site contains “.pdf” versions of all handouts given in class, and all notes covered during lecture. Lecture notes will be posted at least 24 hours prior to each class, and you will want to print them out before coming to class. **WARNING: The lecture notes have significant amounts of material intentionally omitted, so that we may cover this material during class.** If you miss a class, check the web site for any announcements made that day, and copy the notes from a classmate. I will not provide you with copies of notes you missed. You should check this site frequently for updates regarding the course.

Course Format: 3 lectures/week: MWF 9:10-10 or 10:10-11am, North Underground Lecture Hall (NULH).
1 discussion/lab section per week: Thursday at the times listed below.
Attendance at discussion sections is mandatory!

Prerequisites: MATH 115 (Probability and Linear Mathematics, previously labeled MATH 117)

Stat 216 Discussion Sections

9:10 lecture				10:10 lecture			
Section	Time	Room	Instructor	Section	Time	Room	Instructor
1	8:10	MA103	Lutz	11	8:10	MA211	Leary
2	9:10	MA103	Lutz	12	9:10	MA211	Leary
3	10:10	MA103	Lutz	13	10:10	MA211	Purdy
4	11:10	MA103	O’Lear	14	11:10	MA211	Purdy
5	12:10	MA103	O’Lear	15	12:10	MA211	Purdy
6	1:10	MA103	Miller	16	1:10	MA211	Severino
7	2:10	MA103	Miller	17	2:10	MA211	Severino
8	3:10	MA103	Miller	18	3:10	MA211	Severino

Stat 216 Instructors: You may go to ANY of these instructors for help during their office hours:

Name	Office	Office Hours	Phone	Email
Cindy Leary	Corbin 269		243-6712	cindy.leary@mso.umt.edu
Mark Lutz	Corbin 255		243-5466	lutzm@mso.umt.edu
Blake Miller	Corbin 359		243-4486	blake.miller@umontana.edu
Mike O’Lear	Math 212		243-5311	m.olear@mso.umt.edu
Jordan Purdy	Corbin 369		243-4469	jordan.purdy@grizmail.umt.edu
Mike Severino	Corbin 357		243-5470	michael.severino@grizmail.umt.edu

Computing Information: **SPSS** statistical software will be used in class and will be required for some homework problems throughout the course. This software is available in a number of campus computer labs (including The Mansfield Library, UC 225, LA 240, LA 242). Instructions on specific aspects of **SPSS** will be provided in class, and a course **SPSS** manual is posted on the course webpage. All instructors have **SPSS** on their office computers, so you may ask **SPSS** questions during instructors’ office hours. In addition to **SPSS**, multimedia instructional software called **ActivStats** is available on the textbook CD-ROM. This

software provides additional instruction on the topics covered in this course and includes numerous interactive activities.

Clickers: This semester, we will also be using the PRS RF clicker. We will use this required item daily during lecture. You should bring your clicker to class each day. It will provide me with a way to assess your understanding of topics and allow our class to quickly collect and analyze data. Your clicker responses will also constitute a portion of your final grade (5%). Although you will mostly get a daily participation credit for using the clickers, there may also be questions where only correct responses will receive points. During the first few days of lecture, we will discuss how to use these and make sure they are properly registering your clicker ID number. I have some used clickers available to check out on a first-come, first-serve basis.

Textbook: Intro Stats (3rd ed. Custom), by DeVeaux, Velleman, & Bock. Please note this is a custom edition. It will most likely be cheaper to purchase this from the bookstore rather than buying the full edition from somewhere else.

Calculators: Since Math 115 is a pre-requisite for this course, it is expected that you already own a calculator that allows you to compute one and two variable statistics (i.e.: mean, standard deviation, least squares regression line, etc.) and that you also know how to use it. Links to instructions for the following calculators (and others) are available on the web page (TI-82, TI-83, TI-84, TI-85, TI-86, TI-89).

Incomplete (I) Grades: Incompletes (I's) are given at the discretion of the course coordinator (Cindy Leary) only. See the 2008-2009 UM catalog for the conditions under which an "I" may be given. Incompletes (I's) will not be given under ANY other circumstances.

Credit/No-Credit Grades: A D- grade is required to receive credit under the Credit/No-Credit option. You will not be allowed to change your grading option from Credit/No Credit to Traditional or vice versa after the date of November 2 under ANY circumstances. **Note: A course taken to meet a general education requirement (such as Stat 216) CANNOT be taken as Credit/No Credit.** See the 2008-2009 UM catalog for more information.

Grading: Your final grade for this course will be given according to the +/- grading system, based on the percentages to the right. There is no strict grading scale for this course; however, the table below indicates the worst-case scenario for the letter grade breakdown in this course. (For example, if you earn an 80% in the course, you are guaranteed no worse than a B-, and it could be higher).

Homework	10%
Clicker Responses	5%
Worksheet/Lab Grade	10%
Tests (2)	50%
Final Exam	25%

Grade	A- to A+	B- to B+	C- to C+	D- to D+	F	CR (Credit)
Percentage	90-100%	80-89%	68-79%	57-67%	Less than 57%	57-100%

Homework will be announced during lecture and available as a word document on the website. It is expected that you **type** the answers into this document or **neatly** write in your work when appropriate. This course largely focuses on teaching you how to interpret and analyze data. We expect you to use **correct grammar and spelling** while providing **clear and concise** explanations. These assignments will be handed in at the **beginning** of your lab on Thursdays. **NO LATE HOMEWORK WILL BE ACCEPTED FOR ANY REASON**, and the lowest homework grade will be dropped. Homework is not only a fairly substantial portion of your grade, but is vital to your success in this class. Working with other students on homework is allowed and encouraged, as long as you **hand in your own work**, and do not simply copy someone else's work. Duplicate assignments will not be accepted. Solutions to all problems from each assignment will be provided on the course web page. A portion of your assignment will be graded for completeness while the rest will be graded for content. It is to your benefit to check your answers against the solutions for those problems that are graded for completeness.

Recommended Problems: Additional recommended problems will be assigned but not collected from each chapter, with answers provided in advance on the course web page. You are **STRONGLY** encouraged

to work all of these problems. Solutions to homework and recommended problems are password-protected on the webpage. If you have trouble accessing these solutions, e-mail me at cindy.leary@mso.umt.edu.

Labs/Worksheets: During the discussion sections, you will have the opportunity to ask questions about course material and work on problems with other students in small groups. There will be a worksheet given every week in your discussion section. The intent of the worksheets is to have you practice using statistical methods and thinking and to promote cooperative learning. Completing the worksheets in groups will allow you to discuss ideas and problems with other students. I believe this is an important step in learning and problem solving. All worksheets will be collected; some will be graded for completion and some for correctness. Your lowest score from these will be dropped. ***** Make-up worksheets will not be given for any reason. Please note:** The discussion sections should NOT be thought of as a substitute for coming to lecture or a "review day". The material presented on Thursdays builds on the topics presented during lecture, but does not re-introduce them.

Tests: There will be 2 evening tests during the semester given at the times and dates in the table below in the North Underground Lecture Hall (NULH) or Urey Lecture Hall (ULH) next door. You **must** take the test in your assigned location and time. More will be said about the exams at a later date. If you cannot make it to an exam, you must let me know BEFORE the exam is given. No make-up exams will be given without a documentable reason for missing the exam.

Test	Date	Time
Test #1	Thursday, October 1	5:00-7:00pm (9:00 lecture)
Test #1	Thursday, October 1	7:10-9:10pm (10:00 lecture)
Test #2	Thursday, November 5	6:00-8:00pm (both lectures)

Final exam: The final exam will cover the later material only and will not be given earlier than the scheduled date for your class. The exam dates and times are summarized to the right. More will be said about the final at a later date.

Section	Date of Final	Time of Final
9:00 Lecture	Monday, December 14	8:00am-10:00am
10:00 Lecture	Tuesday, December 15	8:00am-10:00am

Study Advice: COME TO CLASS! READ THE BOOK! BE AN ACTIVE LEARNER! Read through the material to be covered in the lecture and print the corresponding notes **before** coming to class. This will reduce the volume of notes you will need to take in class and you will get more out of the lecture. Doing your homework as well as the additional recommended problems **conscientiously** will greatly increase your chance of success in this class. ****Plan to spend 2 hours outside of class for each hour of class****

Extra Credit: No "extra credit" will be offered to compensate for a low grade at any point during this course or after the course is complete.

Adding/Dropping the Course: The last day to add or drop this course, or change the grading option through Cyberbear is September 21. Between September 22 and November 2, you can drop or change the grading option with a drop/add form with your advisor's signature and instructor's signature. After November 2, dropping the course or changing the grading option may only be done through the university petition process. I will not recommend approval of late drops or changes in grading options except in **EXTREME** circumstances (see the UM catalog).

Academic Misconduct: All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University.

All students need to be familiar with the Student Conduct Code. The Code is available for review online at <http://life.umt.edu/sa/documents/fromWeb/StudentConductCode1.pdf>.