

Math 143 A – Introduction to Probability and Statistics

Spring Semester, 2008

Instructor: Dr. Amy Moore

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Office Hours: MTWThF 10:30 – 11:20, and by appointment

Course Website: Homework assignments, solutions to quizzes and tests, and other course information will be posted at <http://www.calvin.edu/~abm4/courses/m143/S08>.

Text: *The Basic Practice of Statistics, Third Edition* by David S. Moore. Please bring your textbook to class.

Equipment: Students should have a calculator that supports two variable statistics with functions for correlation and regression. The professor will be using the TI-83+. Students with other calculators are responsible for knowing how to use them. Some homework assignments will require the use of the web-based statistical software CrunchIt!, which can be found at <http://bcs.whfreeman.com/crunchit/bps3e/>.

Course Content: Chapters 1 – 22 will be covered, with some additions and omissions.

Reading: Students are expected to read each chapter. The examples presented in class will be different from those presented in the text. Students are responsible for all the material presented in class and in the text.

Homework: Homework will be assigned at the end of most classes and will be collected on Tuesdays and Fridays of each week, with the exception of the first week and the Tuesdays and Fridays on which class does not meet. Assignments will be due at the beginning of class on the day they are due. *Late homework will not be accepted for any reason.* There will be a total of 23 homework assignments and each will be worth 5 points. Because late homework will not be accepted, homework points will be taken out of a total of 100 points instead of 115.

Projects: Two projects will be given during the semester. Each project will be worth 25 points. Projects will be due at the beginning of class on the day they are due. *Late projects will not be accepted for any reason.*

Quizzes: Three quizzes will be given in class and one take-home quiz will be given. Each quiz will be worth 25 points. Tentative dates for the in-class quizzes are: Friday, February 8; Friday, March 7; and Friday, April 18. The take-home quiz will be due on the last day of class, Thursday, May 8. Unless a valid excuse is presented *in advance*, a missed quiz will result in zero points being awarded.

Tests: Three one-hour tests will be given in class. Each test will be worth 100 points. Tentative dates for those tests are: Friday, February 22; Friday, April 4; and Friday, May 2. Unless a valid excuse is presented *in advance*, a missed test will result in zero points being awarded.

Final Exam: The cumulative final exam will be given on Saturday, May 10 at 9:00 a.m. The final exam will account for 150 of the total points. *No make-up final exams will be given.* Unless a valid excuse is presented *in advance*, a missed final exam will result in zero points being awarded.

Grades: Grades will be based on the total number of points earned. Out of the six quiz and project scores, the lowest two scores will be dropped. Therefore, quizzes and projects will account for 100 of the total points. There will be 650 total points, consisting of 100 homework points, 100 quiz and project points, 300 test points, and 150 final exam points. A percentage will be calculated and grades will be assigned. A grading scale, no worse than the following, will be used.

A:	93% - 100%	B-:	80% - 82%	D+:	67% - 69%
A-:	90% - 92%	C+:	77% - 79%	D:	63% - 66%
B+:	87% - 89%	C:	73% - 76%	D-:	60% - 62%
B:	83% - 86%	C-:	70% - 72%	E:	0% - 59%

Attendance: Although attendance will not always be taken, attending every class is highly recommended. You are responsible for all information given in class. Any changes to this syllabus will be announced in class. In the case of borderline grades at the end of the semester, attendance may be considered in determining final grades.

Academic Honesty: All students are expected to adhere to the College's policy regarding academic integrity.

Accommodations: Appropriate accommodations will be made for students with documented disabilities. Students needing accommodations should notify the Coordinator of Services to Students with Disabilities located in Student Academic Services, HH455. Those students should also notify their instructors within the first two weeks of class.

Tentative Schedule

Note: The schedule below is tentative. Any changes to this schedule will be made in class.

	Monday	Tuesday	Thursday	Friday
Week 1	1/28 No Class	1/29	1/31	2/1
Week 2	2/4	2/5 HW 1 Due	2/7	2/8 HW 2 Due Quiz 1
Week 3	2/11	2/12 HW 3 Due	2/14	2/15 HW 4 Due
Week 4	2/18	2/19 HW 5 Due	2/21	2/22 HW 6 Due Test 1
Week 5	2/25	2/26 HW 7 Due	2/28	2/29 HW 8 Due
Week 6	3/3	3/4 HW 9 Due	3/6	3/7 HW 10 Due Quiz 2
Spring Break	3/10 No Class	3/11 No Class	3/13 No Class	3/14 No Class
Week 7	3/17	3/18 HW 11 Due	3/20	3/21 Good Friday- No Class
Week 8	3/24	3/25 HW 12 Due	3/27	3/28 HW 13 Due
Week 9	3/31	4/1 HW 14 Due	4/3	4/4 HW 15 Due Test 2
Week 10	4/7	4/8 HW 16 Due	4/10	4/11 HW 17 Due
Week 11	4/14	4/15 HW 18 Due	4/17	4/18 HW 19 Due Quiz 3
Week 12	4/21	4/22 Advising- No Class	4/24	4/25 HW 20 Due
Week 13	4/28	4/29 HW 21 Due	5/1	5/2 HW 22 Due Test 3
Week 14	5/5	5/6 HW 23 Due	5/8 Quiz 4 Due	5/8 Reading Recess-No Class

143 A - Final Exam: Saturday, May 10, 9:00 a.m.