

KAP Statistics 2006-2007

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Text: Introduction to the Practice of Statistics (IPS) with an additional Study Pack
By Moore & McCabe

Course Content:

Part I: Looking at data:

- Distributions
- Relationships
- Producing data

Part II: Probability and Inference

- Probability: the study of randomness
- Sampling Distributions
- Introduction to Inference
- Inference for Distribution
- Inference for Proportions
- Analysis of Two-Way Tables
- Inference for Regression

Part III: Additional Topics

- The Bootstrap Idea
- Nonparametric Tests
- Statistics for Quality

Welcome:

The purpose of this handout is to provide you with basic information about this class. Please **keep this handout** and refer to it throughout the year.

Remember that this is a course given for **COLLEGE CREDIT** as well as high school credit. It is a good avenue to get “your feet wet” in a college level course. The course material is typical of a one-semester college statistics class.

If you want to mark in your text or to keep your text as a reference for a future college class, you may purchase your text for \$93. Please let me know if you purchase your text and study pack.

Calculator and Computer Requirements:

I recommended a TI-83 or TI-84. (A TI-30XIIS is an alternative for under \$20. There may be times that you will wish to use a TI 84 during a study hall to complete your assignments.) It is assumed that each student has a calculator for this class and brings it to class daily. CRUNCH IT, Mini-tab, and/or calculators are to be used on homework, projects, quizzes, and tests. Without the use of a calculator or appropriate software statistical problems become time consuming and uninteresting. With a calculator or appropriate software the problems involve mathematical analysis and are interesting to solve--not drudgery. However, I will still expect reasonable work to be shown!!!!

As long as the calculator can do basic two variable statistical functions and you have a **manual** for the calculator it should be good for this class. If in doubt, see me. We will often use TI-83 or TI-84 calculators during class demonstrations.

We will use Mini-tab extensively during class. You will have an option of using Mini-tab, CRUNCH IT, Excel, or a TI-83/84 for your homework. Minitab is installed on the school computers in the library, the labs and in my room for your use during study halls and after school. CRUNCH IT is a program in the study pack set of disks and is an excellent resource.

Notebooks:

I expect all students to maintain an organized notebook solely for this class. It should contain sections for notes, homework, and other class materials.

Grading Procedure:

Your will grade will consist of tests, quizzes, class work, projects, and homework scores. In addition, during second and fourth quarter there will be a semester exam. Semester exams will be worth between 100 and 200 points.

Tests and quizzes will be 80% of your grade. Class labs will be 10% and homework will be 10% of your grade. Look carefully at the Progressbook reports. Remember to compute your final grade you must take 10% of the homework grade, 10% of the labs and add it to 80% of the test grade!

It is my expectations that you turn in work the day that it is due. There are times when you will not be able to earn any points for late work. At other times, you will be able to earn partial credit for late work. If you miss a deadline for work, talk to me about your options!

Grading Scale:

Percentages:	Grade:
100 or above	A+
93-99	A
90-92	A-
87-89	B+
83-86	B
80-82	B-
77-79	C+
73-76	C
70-72	C-
67-69	D+
63-66	D
60-62	D-
Below 60	F

Additional test information:

Tests should be completed in the allotted classroom period.

If students are absent on the day of a test, they should expect to take it the day that they return. Tests for absent students will not be taken during class time. Arrangements must be made to take the test during a study hall or after school.

Participation and attendance:

If you are absent, check the web homework page for the assignments. Also check with a fellow student for additional information about the assignments and materials missed. I suggest that you get someone's phone number from class to use if you forget an assignment, are absent, etc.

PLEASE seek help if you having difficulty. Do not wait until the last week of the quarter to try to improve your understanding and your grade.

RESPONSIBILITY: The following are my expectations. _____ Students are to:

1. Be Respectful.
2. Be Attentive.
3. Be on time.
4. Bring all materials to class--books, notebooks, pencils, calculators, etc.
5. Complete assignments in a timely manner.
6. Be thoughtful.
7. Work individually and in groups on the assignment or homework.
8. Seek help when necessary.
9. Maintain a grade appropriate to your ability. (Minimum "C")

Consequences of not abiding by these expectations are verbal warning, conference, detention, and/or class removal.

