

# Statistics 226

## Introduction to Business Statistics I

Section A, Spring 2009

**Instructor:** Dr. Petrutza Caragea Office: 634 Science II  
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**Lecture:** TR 9:30 – 10:50 a.m., 171 Durham

**Office Hours:** TR 11:00 – 12:30 p.m., or by appointment

**Course web page:** [www.public.iastate.edu/~pcaragea/stat226](http://www.public.iastate.edu/~pcaragea/stat226) and WebCT

**Course Assistant:** Erica Dawson Office: 3440 Wilson Hall  
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**Office Hours:** Times to be announced soon.  
TA office hours will be held in 0113 Pearson

### Required Materials

1. *The Practice of Business Statistics*, Moore, McCabe, Duckworth, and Sclove, **Second Edition**.
2. JMP Manual for *The Practice of Business Statistics*
3. calculator (more details follow)
4. stapler (**un-stapled homework assignments** will result in a **5 pt reduction** of the total points earned for that assignment)

*Note on textbook:* The text is fairly similar to the older (1st edition) version of Moore and co-authors, but some problems and page numbering may change slightly. **4 copies of the second edition are on reserve** in the Parks library.

### Chapters/sections to be covered (approximate)

Exam 1	Thursday, February 19	1.1–1.3, 2.1–2.4
Exam 2	Thursday, April 9	3.3, 4.4, 6.1, 6.2–6.3
Final Exam*	Thursday, May 7	7.1, 8.1, 10.1

\*The Final Exam is *comprehensive*. Our Final Exam is **tentatively** scheduled from 9:45 a.m. to 11:45 a.m. on Thursday, May 7, 2009. **The Final Exam time and date are tentative until finalized by the University. The Final Exam could end as late as 2:00 pm on Friday, May 08, 2009, so please plan accordingly.**

### Grading

Final letter grades (on plus/minus scale) are determined from: Final Numeric Grade =  
 $0.10 \times \text{Quiz}\% + 0.15 \times \text{HW}\% + 0.20 \times \text{Exam1}\% + 0.20 \times \text{Exam2}\% + 0.35 \times \text{Final Exam}\%$

## Course Information and Policies

**Reading assignments** are provided weekly on WebCT along with AYK exercises.

**AYK** exercises are “Apply Your Knowledge” exercises spread throughout sections of the text.

- You should consider these **practice exercises** as the *minimum* if you want to keep up with the pace of the course—attempt these every 1–2 days as we cover topics in class. In addition to AYK exercises, the end of each section has an exercise set. These exercises should be attempted as we finish sections and are also *good review before an exam*.
- *The end of each chapter also has an exercise set. These are also good review for midterm exams as well as the final exam.* Exercises should be attempted as topics are covered rather than waiting until the end of the week (or month or semester!). Your efforts at working exercises will enhance your performance on the quizzes, homework projects, and exams.
- A student solution manual, containing solutions to all odd-numbered textbook exercises, is on reserve in the Parks library.

**JMP** (pronounced “jump”) is statistical software, which will be used on the homework. You are responsible for knowing how to use JMP. The JMP software is installed in many computer labs on campus (eg. Durham, Gerdin, Parks library) for your access. Instructions to download JMP on your personal computer (at no cost) can also be found by following the “JMP Info” link in WebCT.

**Homework Assignments** will be assigned, collected, and graded several times during the semester.

- Assignments will be due at the end of class on the specified date.
- Late submissions will be penalized with a 20% deduction of the maximum possible points for every additional day late. If you are unable to come to class for any reason you are responsible for making arrangements to turn in the assignment in time.
- Homework assignments will be posted on WebCT.
- Instructions specific to each homework will be discussed in class when the assignment is announced.

A **JMP and Homework Help Room** is located in 0113 Pearson Hall. A schedule with office hours will be posted at the end of the first week on WebCT. Help will be provided for any questions related to the lecture material, homework problems and JMP. Questions are welcomed but serious effort is expected before seeking help.

**Quizzes** will be given in lecture on a random basis.

- If you miss a lecture in which a quiz is given, you will receive a zero on that quiz (no exceptions).
- There will be approximately 10-12 quizzes worth 4 points each; however, the maximum number of quiz points you can earn will be set at 80% of the number of quiz points offered. This allows you to miss up to 20% of the offered quiz points and still earn the maximum amount of quiz points possible.
- Quizzes will be based on AYK exercises from any previous week’s topics (cumulative from day one of lecture).

**Exams** will be completed during the lecture periods on the assigned dates provided on this syllabus.

- Statistics has two components: calculation and interpretation, and you are responsible for both components on an exam. In order to receive full credit for a calculation, one must show the work that led to the calculation *and* have the correct answer. In order to receive full credit for an interpretation, one must use complete sentences, proper grammar, and correct spellings of words in order to clearly communicate thoughts. Approximately half of all exam points are calculation-based and half are interpretation-based.
- If, for some legitimate reason, you cannot take the exam at the scheduled time and place with the rest of the class, then you should contact me **before** the scheduled exam time to make arrangements. There are **no individual make-up exams** for Stat 226.
- If an exam is missed for a legitimate (documentable) reason, a *comprehensive* make-up exam may be allowed, given during the week before the final exam. A student is allowed to take the comprehensive make-up exam only at the discretion of the instructor and the course coordinator.

**Course Page in WebCT:** All STAT 226 sections share a common course page on WebCT called

STAT 226 All Sections (Spring 2009)

Important information regarding the course (such as homework, exams, reading assignments, etc.) can be found there. Please check for updates frequently. In addition individual Sections of Stat 226 have their own web page/WebCT course.

## Miscellaneous

- An appropriate **calculator** for this class should do two-variable statistics (and the financial functions you will need later in your business program). Programmable calculators may be used, but any efforts to program formulas, text, etc. into them for use on an exam will be considered academically dishonest and treated according to university policy. *The instructor reserves the right to clear the memory of selected calculators during exam times.*
- Your **attendance** to each class (listening) and your genuine effort on the homework projects, quizzes, and exams (doing) are two of the most important factors affecting your success in this class. Statistics requires both listening and doing. Feel free to ask me about problems after you have honestly tried—*my office hours are for you.*
- **Academic Dishonesty.** This class will follow Iowa State University policy on academic dishonesty found in the Iowa State University Catalog. A score of zero will be given for the entire assignment or exam in which the academic dishonesty occurred.
- **Disability-Accommodation.** Iowa State University complies with the Americans with Disabilities Act and Sect 504 of the Rehabilitation Act. If you have a documented disability and anticipate needing accommodations in this course, please contact me within the first two weeks of the semester. Retroactive requests for accommodations will not be honored. Please have Disability Resources Office, located in Room 1076 on the main floor of the Student Services Building complete a SAAR form verifying your disability and specifying the accommodations you will need for this course. Their telephone number is 515-294-6624, TDD 294-6335. You will need to present this form to me.

This syllabus is subject to change.