

# Math 120 – Introduction to Statistics

## Course #23014 (4 units)

Course Syllabus – Spring 2009

### Class Hours:

TTh: 9:50 – 11:30 am

Room: LA-6 (bldg. 30)



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Instructor: **Stephen Toner**

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Office: Bldg 30 (Liberal Arts), office “U”

Office Hours: Mon: 11:40 am - 12:00 pm

Tues & Thurs: 7:45 am – 9:40 am

### Spring Calendar:

Feb. 17 Classes Begin

Apr. 13-17 Spring Break

May 8 Last day to drop with a “W” grade

May 25 Memorial Day Holiday

June 13 End of Spring semester

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**Recommended Textbook:** Elementary Statistics, 7/e, by Bluman. If purchased at the VVC Rams bookstore, this will include the online access to MathZone, the online companion site. You can also elect to go to [www.mhhe.com/math/mathzone](http://www.mhhe.com/math/mathzone) and purchase online access for \$40.00. Mathzone contains practice materials and video lectures by the publisher. Our MathZone Section Code is: **798-86-9C3**. Click on “Self Study”.

**Calculators:** A calculator will be required for all exams. The TI-83+, TI-84 or TI-89 are the most appropriate for this course. You will be taught how to use the various features, demonstrated primarily on the TI-83+.

**Course Description:** This course covers basic statistical techniques, including design and analysis for both parametric and non-parametric data. Descriptive statistics included are measures of central tendency and measures of dispersion. Graphical techniques of illustrating data are covered. Probability and its application to inferential statistical procedures is covered. Inferential statistics included are estimation and hypothesis testing, chi-square, analysis of variance and regression. Applications are drawn from a variety of fields.

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**You are required to attend class every day.** After 4 hours of absence, you **may be dropped** from this class. It is **your responsibility** to keep your enrollment status current. You risk an “F” if you stop attending without officially withdrawing. Do not bring friends or children to class. **Please turn off any cell phones or pagers during class time (or switch them to silent mode).** No cell phones or mp3 players will be allowed on your desk during exams.

**Homework Policy:** Homework will not be collected in this class. However, you will be responsible for all reading assignments and a project.

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**Grading Policies:** Grades will be based on all unit tests, a project, and a comprehensive final exam. Any exam not taken will be regarded as a zero. The lowest exam score (including the project and, yes, *possibly* even the final exam!) will be deleted prior to computing the term grade. Students are expected to complete all exams during class on the dates and times scheduled. **No make-up, pre-take, or re-take exams will be given, without exception.**

A **one-page, front-side-only, hand-written, (not photocopied) “cheat sheet”** may be used for each exam. This cheat sheet will be submitted along with the exam, at the completion of the exam.

**Grading Scale:** A=90% or above; B=80%-89.9%; C=70%-79.9%; D=65%-69.9%; F=below 65%

## Tentative Class Schedule

This is my best attempt to create a timeline for this course. In the event we fall behind, you will be given at least a week's notice of any change in test date.

Sections to be Covered In Class			Sections to be Covered In Class		
T	2/17	Introduction, Chapter 1A, Chapter 14A	T	4/21	Chapter 8A
Th	2/19	Chapter 1B, 2A	Th	4/23	Chapter 8B
T	2/24	Sample Bias, Chapter 2B	T	4/28	Review, Chapter 9A
Th	2/26	<b>Test Chapters 1 &amp; 2</b>	Th	4/30	<b>Test Chapter 8</b>
T	3/3	Chapter 3A, calculator intro	T	5/5	Review, Chapter 9B
Th	3/5	Chapter 3B, more calculator	Th	5/7	Review, Chapter 10A
T	3/10	Review	T	5/12	<b>Test Chapter 9</b>
Th	3/12	<b>Test Chapter 3</b>	Th	5/14	Chapter 10B; assign projects
T	3/17	Chapter 4a	T	5/19	Chapter 11
Th	3/19	Chapter 4b	Th	5/21	Review, Chapter 12
T	3/24	Chapter 5	T	5/26	<b>Test Chapters 10-11</b>
Th	3/26	Review, Chapter 6A	Th	5/28	Review, Chapter 13A
T	3/31	<b>Test Chapters 4-5</b>	T	6/2	Chapter 13B
Th	4/2	Chapter 6B	Th	6/4	<b>Test Chapters 12-13</b> ; projects due
T	4/7	Chapter 7	T	6/9	review
Th	4/9	Review, <b>Test Chapters 6-7</b>	Th	6/11	<b>Final Exam</b>

**Attendance Policy:** *Class attendance is not a measure of performance or proficiency. Whether a student is just physically present in the class is not a valid basis for grading. Reference Title 5 Section 55002 of the California Code of Regulations: (A) Grading Policy. The course provides for measurement of student performance in terms of stated course objectives and culminates in a formal, permanently recorded grade based upon uniform standards in accordance with section 55758 of this Division. The grade is based on demonstrated proficiency in the subject matter and the ability to demonstrate that proficiency, at least in part, by means of written expression that may include essays, or, in courses where the curriculum committee deems them to be appropriate, by problem solving exercises or skills demonstrations by students.*