

## Math 345-01: Elementary Statistics

MWF 9:15-10:20 AM; DA 113

Spring 2011

### Contact Information:

**Instructor:** Professor C. Crawford

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### **Office Hours:**

Monday 2:30 – 4:00 PM

Tuesday 12:30 – 1:30 PM

Thursday 1:00 – 2:00 PM

By appointment

### Course Description:

This is an introductory course to elementary statistics. Topics include descriptive statistics, probability distributions, hypothesis testing, confidence intervals, correlation, and regression.

### Instructional Materials:

**Required Text:** *Elementary Statistics, 11<sup>th</sup> Edition*, by Mario F. Triola. We will be covering material taken from chapters 1-12.

**Calculator:** You will need a calculator that can perform statistical calculations. A graphing calculator such as one of the TI-8x or -9x series is recommended.

### Grading

<b>Quizzes/Projects</b>	<b>100 pts</b>	<i>Tentative Dates (Wednesdays): 2/9, 2/23, 3/16, 4/20, 5/11</i>
<b>Homework Checks</b>	<b>50 pts</b>	<i>Tentative Dates (Wednesdays): 2/16, 3/9, 3/30, 4/13, 5/4</i>
<b>3 Exams</b> (100 pts each)	<b>300 pts</b>	<i>Tentative Dates: 3/2(Wed), 4/6(Wed), 4/29(Fri)</i>
<b>Final Exam</b>	<b>200 pts</b>	Date: Friday 5/20 from 8:00 AM – 10:00 AM
	<b>650 pts</b>	

Your final letter grade for the course will be based on the percentage of total points earned. Excessive and consistent disruptions (e.g. tardiness, leaving class for drinks or the restroom, cell phones, etc.) may result in lowering your grade up to one full letter grade. **All cell phones must be turned completely off and put away.** Having a cell phone out during an exam or quiz will result in an automatic 0 grade for the exam or quiz.

**EXAMS:** Three exams are *tentatively* scheduled for **March 2, April 6, and April 29**. You must take all exams in class on the announced dates (subject to change at my discretion). **No make-up exams will be allowed.** See below for the replacement policy.

**FINAL EXAM:** The cumulative final exam will be on **Friday, May 20 from 8:00 AM – 10:00 PM**.

**EXAM REPLACEMENT POLICY:** If you take all of the course exams as scheduled then the lowest score will be replaced by your final exam percentage, if this is to your benefit. *You will not be allowed to take an exam early or late for any reason.* If you miss any exam(s), your final percentage will serve as the score for the missed exam(s). Only the missed exam score(s) will be replaced.

**QUIZZES:** Quizzes are *tentatively* scheduled for the following Wednesdays: 2/9, 2/23, 3/16, 4/20, and 5/11. The dates may change and/or additional quizzes may be given – you will be given at least one class day notice. Quizzes will be given during the first 15-20 minutes of class. *You will not be allowed to take a quiz early or late for any reason.* A score of zero will be recorded for each missed quiz. I will drop 1 quiz for every three quizzes given. The total points of your remaining quizzes and any projects or graded homework (see below) will be scaled to 100 points.

**PROJECTS:** Projects may be assigned periodically throughout the semester. You will **not** be allowed to drop any of these project scores. These points will be incorporated into your homework scores and scaled as explained above.

**HOMEWORK and IN-CLASS WORKSHEETS:** Although homework problems will be assigned everyday, I will not be collecting it on a regular basis. You will also work on in-class worksheets that I also do not normally collect. However, I reserve the right to collect either – you will be given advance notice for any collected work. Homework and/or worksheets scores will be considered either as additional quizzes or homework checks. *Late homework will not be accepted.*

**HOMEWORK CHECKS:** Homework Checks are tentatively scheduled for the following Wednesdays: 2/16, 3/9, 3/30, 4/13, and 5/4. The dates may change or additional homework checks may be given – you will be given at least one day's notice. A Homework Check consists of a sheet with 3 to 7 problems from previous homework assignments **identified only by date assigned, section, page, and problem number** (Example: Section 5.2, p. 426: #9). The actual statement of the problem will not be given and textbooks and calculators are not allowed. You will be given only a short amount of time (~ 5 minutes at the end of class) to transfer all your work and solutions. **You will not be given time to work the problems.** It is recommended that you keep a separate homework notebook. You will not be allowed to do Homework Checks early or late for any reason. A zero will be recorded for each missed Homework Check. For every 3 Homework Checks (and worksheets graded as Homework checks), I will drop 1. The remainder of your Homework Check scores will be scaled to 50 points.

Note to Future Teachers:

A link to the **Illinois Secondary Education Mathematics Content-Area Standards** for this course can be found at <http://www.elmhurst.edu/~mth>.

Policies and Academic Integrity:

You are expected to adhere to the College Academic Integrity Policy as stated in the *E-Book* as it applies to this class.

- Test and quizzes, whether take-home or in-class are to be your own work unless otherwise stated. You may ask questions of me any time during an exam or quiz.
- Calculators and notes are not allowed on quizzes and tests unless otherwise stated. If calculators are allowed, you may not store any notes or unauthorized programs on the calculator.
- **You may work with others on your homework and are *encouraged* to do so.** But you must turn in your own homework unless specifically stated as group work requiring one submission.
- Individual projects should reflect your own work. However, feel free to obtain input, feedback, etc, from me and other students. Group projects should reflect quality contributions by all group members.
- Please feel free to ask questions of me for all work, especially if something is unclear.

Accommodations:

The College will make reasonable accommodations for persons with documented disabilities. If you have a disability that may have some impact on your work in this course, please contact the Disabilities Service Provider (630) 617-3753.