

Statistical Reasoning in Sports

2009-2010

Mr. Tabor

In colleges all over the country, more and more majors are requiring students to take a course in statistical reasoning. Also, more and more colleges are offering courses in statistical reasoning that fulfill general education and quantitative reasoning requirements. This 21st century skill is a reflection of the increasingly data driven world that we live in. The purpose of this course, *Statistical Reasoning in Sports*, is to provide students with a class that introduces them to statistical reasoning in a context that is rich with examples likely to spark their interest. And, although the course uses sports as a context, it isn't primarily about sports—its focus is to teach students about statistics.

Materials: All students should bring the following items every day:

- “Textbook”: There is no official textbook for this class. Instead, the teacher will prepare a set of examples and exercises for students to use during each unit. Students should always have the current unit with them in class.
- TI-83 or TI-84 graphing calculator. The use of technology will be an important part of this class. In addition to using graphing calculators, we will also be using online applets and software such as Microsoft Excel.
- 3-ring notebook for class notes, returned homework assignments and tests/quizzes.

Grades:

- Grades will be assigned according to the following scale:
A = 90-100% B = 80-89% C = 70-79% D = 60-69% F = 59% or below

Tests:

- Tests, including a cumulative final each semester, will comprise **50%** of your final semester grade.
- All tests must be done in pencil. Points will be deducted for using pen.
- If you miss a test with an *excused* absence, you must make it up during tutorial within one week or you will receive a 0.
- A student may attempt to increase his or her score on a quiz or test under the following conditions:
 1. The student will take a new version of the test or quiz within one week after the original test or quiz is returned.
 2. The student must take the new version during the tutorial period.
 3. The student's overall score will be the average of the original and new scores.
 4. If the student comes in for an additional 30 minutes of tutoring before taking the new version, the new score will only count if it increases the average of the original and new scores.

Projects:

- Projects will comprise **30%** of your final semester grade.
- During each semester there will be approximately 7-8 projects (one per unit).
- Some projects will be completed individually and others in pairs.
- Students will be required to do oral presentations and posters for at least one project per semester.

Homework:

- Homework will comprise **15%** of your final semester grade.
- Homework will be assigned almost every class period, as it is essential for reinforcing the concepts learned in class.
- Each assignment will be worth 4 possible points.

- All homework assignments should be labeled with name, period, date, and assignment number on the upper right hand corner.

Absences and Late work:

- If a student is absent for any reason, it will be his/her own responsibility to obtain the notes and assignments from a fellow classmate or the class website.
- Upon return from an absence(s), the student will be given one class period for each class period absent to make up the homework for full credit.
- Homework that is 1 class period late will be accepted for up to half credit. After 1 class period, no late homework will be accepted.
- All late or absent work must be labeled with “Absent” or “Late” and the date(s) of the absence on the top left hand corner and placed in the Absent/Late Bin.
- If a student is present on campus for any part of a school day, then any assignment due that day will be marked late unless it is handed in on the due date.

Participation:

- Each semester, class participation will comprise **5%** of your final grade.
- The purpose of including participation is to encourage active thinking during class.
- Students can earn participation points by answering questions, asking questions, or making comments that show the student is paying attention and trying to learn.
- Students will lose participation points for sleeping in class, talking when inappropriate, distracting other students, using a cell phone (texting, ringing in class, etc.), listening to a music player during class time, or any other distractions. If a student continues to use an electronic device inappropriately, it will be confiscated and returned to the parent or guardian.

Tardy Policy:

- Students are considered tardy if they are not in their seats and ready to work when the bell rings. This includes turning off cell phones and music players and removing any headphones.
- All tardies (per semester) will be recorded with the following consequences:
 - 0 - 2: Tardy is recorded and student is warned of future action
 - 3 - 5: Tardy is recorded, parents are contacted and detention is assigned (30 minutes)
 - 6+: Tardy is recorded and student is referred to the Assistant Principal’s office. Parents are contacted.

Cheating Policy:

Anyone caught cheating will receive a **zero** and referred to the Principal. Examples of cheating include, but are not limited to: copying answers on tests, quizzes, or homework, providing answers to tests, quizzes, or homework, discussing test questions with students from other classes, and using inappropriate material during a test (cheat sheets, material entered into a calculator, information written on desks, body parts, etc).

Tutorial Period:

- Students are encouraged to come in during the tutoring periods each day (Tuesday-Thursday from 2:29 to 3:05). Students can work on homework or ask me questions.

Contact Information:

- Website: <http://www.amphi.com/teachers/jtabor/>
- E-mail: jtabor@amphi.com
- Phone: 696-5643. Please do not call during class time.

Contact Info for students in Mr. Tabor's class

Student Information:

Student name: _____ email: _____

Home phone: _____ cell phone: _____

I have read and agree to follow the policies in the class syllabus (sign): _____

Parent Information:

Parents names: _____ email: _____

Work phone: _____ cell phone: _____

I have read and understand the policies in the class syllabus (parent sign): _____

What is the best way to contact you? When?