

## Syllabus 22S:101

### Instructor:

Prof. Russo                      205 SH                      335-0817                      [rrusso@stat.uiowa.edu](mailto:rrusso@stat.uiowa.edu)  
office hours                      MWF 4:30-5:00PM & Fri 10:00-11:30AM

### TA:

Shu-Ching Chang                      213 SH                      335-2191                      [shu-ching-chang@uiowa.edu](mailto:shu-ching-chang@uiowa.edu)  
office hours                      Mon,Wed 10:30-11:20AM & Fri 12:30-1:20PM

**Office Hours:**                      students who seek out-of-class help from me or from the TA are expected to have excellent attendance in both the lecture & the discussion.

**Course Website:**                      from <http://www.stat.uiowa.edu/~rrusso/> follow the **courses** link

**Text:** Biostatistics, a Bayesian Introduction, by G. Woodworth.

**Coverage:**                      chapters 1-10, portions of 12 & 13, & various frequentist topics that are not treated in the textbook (notes will be available on the course website).

**Class meetings:**                      please do not arrive late or leave early (or engage in any other behavior that impairs the learning environment of your classmates). The course contains too much material to cover in class. I will try to cover the main ideas, point out subtleties, & provide a framework. You'll save time & do better in this course if you **READ AHEAD**.

**Conflicts between S101 class & exams in other courses:** if you have a class with a scheduled exam conflicting with a class meeting of S101, you should attend your S101 class - - even if the exam was scheduled prior to the semester start. Under university policy, the professor in your other class is **obliged** to make an arrangement for you to take his/her exam at an alternate time. You should notify your other professor immediately upon learning of the conflict, & you should notify me if s/he refuses to comply with university policy.

**Homework:** you will work in teams of 4 students. Teams will be formed in the discussion sections during the first week. HW is due in lecture, 2 Fridays after the due date is posted on the HW link. Each team makes a single submission. HW should be neat & stapled, with team member names & assignment number in the top right corner. Late HW will be penalized.

### Weight of HW, exams & quizzes:

HW	10%	due 2 Fridays after the due date is posted	
Quizzes (2 days notice)	20%	6-8 Fridays in class	lowest dropped
Midterm 1	20%	1 Oct, 8-10 PM, LR1 Van	25 multiple choice problems
Midterm 2	20%	12 Nov, 8-10 PM, LR1 Van	25 multiple choice Problems
Final Exam (cumulative)	30%	16 Dec, 9:45-11:45AM	25-30 multiple choice problems
<b>Total</b>	<b>100%</b>		

**Grades:** Final % will be a weighted sum of HW, quiz, Midterm & Final exam grades:

$$\text{Final\%} = (.10)\text{HW\%} + (.20)\text{Quiz\%} + (.20)1^{\text{st}} \text{Midt\%} + (.20)2^{\text{nd}} \text{Midt\%} + (.30)\text{FinalExam\%}$$

As an example, suppose a student scores 920/1000 on the HW, 65/100 on Midterm 1, 75/100 on Midterm 2, 80/100 on the Final, & has scores of 10, 8, 10, 6, 2, 10 (out of 10, i.e. 44/50) on the quizzes. Quiz #5 is dropped & his/her final % is computed as follows:

$$\text{Final \%} = (.10)92\% + (.20)88\% + (.20)65\% + (.20)75\% + (.30)80\% = 78.8$$

$$\text{Note, } 78.8 < (920 + 65 + 75 + 80 + 44) / (1000 + 100 + 100 + 100 + 50) = 87.7\%$$

As a rough guide "A" = 90%, "B" = 80%, "C" = 70%, "D" = 60%.

**Make-up quizzes/exams:** if something comes up (emergency, illness, religious, university activity) let me or the TA know as soon as possible. We will discuss your situation & possibly schedule a make-up.

**Getting a good grade in this class:** to do well, you must learn the statistical concepts as well as the methodologies. Understanding the concepts makes it easier to remember the methodologies, you will spend less time studying in the long run & you will perform better on exams. More importantly, an understanding of the concepts will stay with you long after you finish the course, & will undoubtedly be of benefit to you in your chosen field. If your approach is to memorize formulae & not pay attention to the concepts involved in this class, you will (if you have an excellent memory & don't make calculation mistakes) receive a "B" grade at best (but more likely a "C+" grade or lower), by January you will have forgotten most of the formulae that you memorized, & by February it will be as if you had never taken the course.

**Independent Tutors:** for a list go to <http://www.stat.uiowa.edu/courses/tutors.html>

**Stat Lab:** <http://www.stat.uiowa.edu/courses/tutorial-lab.html>

**Policies:** course policies are governed by the College of Liberal Arts and Sciences. For University policies regarding Student Rights and Responsibilities go to <http://www.clas.uiowa.edu/faculty/teaching/policies.shtml>

**Student disabilities:** I would like to hear from anyone who has a disability which may require some modification of seating, testing, or other class requirements so that appropriate arrangements may be made. Please see me after class or during office hours.

Dept. of Stat & Act. Sci., 241 SH, 335-0712. Prof. Tierney, DEO

**Administrative Home** The College of Liberal Arts and Sciences is the administrative home of this course and governs matters such as the add/drop deadlines, the second-grade-only option, and other related issues. Different colleges may have different policies. Questions may be addressed to 120 Schaeffer Hall, or see the CLAS [Student Academic Handbook](#).

**Electronic Communication** University policy specifies that students are responsible for all official correspondences sent to their University of Iowa e-mail address (@uiowa.edu). Faculty and students should use this account for correspondences. (*Operations Manual*, [III.15.2](#). Scroll down to k.11.)

**Accommodations for Disabilities** A student seeking academic accommodations should first register with Student Disability Services and then meet privately with the course instructor to make particular arrangements. See [www.uiowa.edu/~sds/](http://www.uiowa.edu/~sds/) for more information.

**Academic Fraud** Plagiarism and any other activities when students present work that is not their own are academic fraud. Academic fraud is a serious matter and is reported to the departmental DEO and to the Associate Dean for Undergraduate Programs and Curriculum. Instructors and DEOs decide on appropriate consequences at the departmental level while the Associate Dean enforces additional consequences at the collegiate level. See the CLAS Academic Fraud section of the [Student Academic Handbook](#).

**CLAS Final Examination Policies** Final exams may be offered only during finals week. No exams of any kind are allowed during the last week of classes. Students should not ask their instructor to reschedule a final exam since the College does not permit rescheduling of a final exam once the semester has begun. Questions should be addressed to the Associate Dean for Undergraduate Programs and Curriculum.

**Making a Suggestion or a Complaint** Students with a suggestion or complaint should first visit the instructor, then the course supervisor, and then the departmental DEO. Complaints must be made within six months of the incident. See the CLAS [Student Academic Handbook](#).

**Understanding Sexual Harassment** Sexual harassment subverts the mission of the University and threatens the well-being of students, faculty, and staff. All members of the UI community have a responsibility to uphold this mission and to contribute to a safe environment that enhances learning. Incidents of sexual harassment should be reported immediately. See the UI [Comprehensive Guide on Sexual Harassment](#) for assistance, definitions, and the full University policy.

**Reacting Safely to Severe Weather** In severe weather, class members should seek appropriate shelter immediately, leaving the classroom if necessary. The class will continue if possible when the event is over. For more information on Hawk Alert and the siren warning system, visit the Public Safety [web site](#).

\*These CLAS policy and procedural statements have been summarized from the web pages of the [College of Liberal Arts and Sciences](#) and The University of Iowa [Operations Manual](#).