

Instructors:	Office	Office Hours	Phone	Email
Jessica Kohlschmidt (12:30 lectures)	CH 428A	M 1:30; F 9:30	292-6071	Kohlschmidt.1@osu.edu
Erin Leatherman (5:30 lectures)	CH 420	TR 11:30	292-1093	Leatherman.33@osu.edu
Dennis Pearl (8:30 lectures)	CH 440F	MW 10:30	292-3887	Pearl.1@osu.edu
Bethann Pflugeisen (8:30 lectures)	CH 238	MW 9:30	247-4100	Pflugeisen.1@osu.edu
Mike Sonksen (12:30 lectures)	MA 456	W 1:30 – 3:30	292-9249	Sonksen.2@osu.edu

Course Goals: This course satisfies the learning goals of the *GEC Data Analysis requirement*, which are to develop an understanding of the basic ideas of statistical reasoning. The course seeks to encourage students to actively think about statistical issues arising in real problems and to understand the basic statistical techniques used to generate, summarize, and draw conclusions from data.

Course Web Site: Additional materials and course policies will be available on the course website www.stat.osu.edu/~stat135.

The Statistics Buffet: Each lecture and lab section of the course will use its own mix of activities to teach the same set of learning objectives. You will be given a *choice* as to which of these delivery options you prefer. The mix of activities are of equal difficulty and all students have the same exams and homework assignments.

Your Course Contract: Each of the sections is geared toward a particular combination of learning styles. At your first lab meeting, you will take a Learning Styles Inventory and a Study Skills Inventory to help you evaluate how you learn best and to help advise you in picking the section most appropriate for your own learning style and preference. Some options replace in-class hours with out-of-class problem solving. You will implement your choices through an online *contract* and keep track of your progress in meeting the contract with an online *checklist* of activities. You must have your contract in place by the Friday afternoon of the first week of classes. Your section assignments will be e-mailed the Evening of September 25th and posted in the *mystat135* section of the website. You begin attending your chosen sections on September 28th.

Course Admission and Section Changes: All ADD and SECTION TIME CHANGES are handled by our department staff after BRUTUS closes. Students should go to 405C Cockins Hall and speak with Patty Shoults beginning Tuesday September 29, 2009. The instructor and TAs do not sign paperwork associated with course registration.

Required Texts: *Statistics Concepts and Controversies* 7th edition by David Moore and William Notz. *Lab and Activities Supplement for Moore’s Statistics Concepts and Controversies (Revised 6th edition)* by Dennis Pearl.

Software: Students in this course will use the Data Desk® software. This software is provided in several of the public labs on campus. Students who would like to install this software on their home computers may purchase it for a nominal price at most of the bookstores. The EESEE databank of examples and problems comes as an access code with the text and lab manual package to be used on the web.

Addressing Issues of Differing Abilities: Any student who feels they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss your specific needs. Students with documented disabilities must also contact the Office of Disability Services (ODS) in 150 Pomerene Hall (phone: 292-3307) to coordinate reasonable accommodations for the course. ODS forms must be given to your instructor as early in the quarter as possible to be filled out and returned to you.

Grades: Your final grade in this course will depend on the following

Homework assignments (80 points - drop lowest 10)	70 points
Lab reports (130 points - drop lowest 20)	110 points
Lab reviews (30 points – drop lowest 10)	20 points
Lecture activities (30 points - drop lowest 10)	20 points
Problem solving or Mastery Quizzing (60 points - drop lowest 10)	50 points
Two Midterm Exams (Oct 26 & Nov 23 at 5:30 pm - 100 points each)	200 points
Final Exam (December 8 at 5:30 pm)	200 points
Total	670 points

Grades for individual assignments will be available in Carmen starting a few weeks into the quarter. All written work must have your name, your TA’s name, and the time of your recitation. Additionally all work must be *stapled* (not paper clipped, folded etc.) Absolutely no late work will be accepted. Students should allow sufficient time to complete written assignments. Computer failures, lost files and other technical difficulties are not valid excuses for submitting an assignment late.

Homework: Homework assignments include problems from the text, from EESEE, and from the lab supplement. Assignments are posted in the **mystat135** section of the website. The lowest single homework score will be dropped – but the dropped assignment cannot come in the last week. *These assignments will be collected in lab.*

Lab activities: During lab sections you will participate in activities to supplement the lecture material. These activities include group discussions, participatory reviews, experiments and computer exercises. The lowest 30 points worth of activities will be dropped (20 from lab reports and 10 from pre-exam reviews). Lab activities will be also be collected by the lab TA.

Lecture Activities: Students earn points by attending lecture and problem solving sessions and participating in activities provided by the lecturer. Of the 6 graded lecture activities, worth 5 points each, 2 will be dropped. Six of the problem solving sessions or mastery quizzing will count for 10 points each with the lowest being dropped. You should attend all of the lectures you are signed up for in your contract to ensure that you are eligible for these points.

Exams: All exams are closed book. For the midterm exams students may use one 8.5 x 11 page of notes (front and back). For the final exam students may use two 8.5 x 11 pages of notes (front and back). You should also bring a calculator and a photo ID to the midterm. Devices such as cell phones with calculator *and* communication capabilities are not allowed. Devices such as iPods are also prohibited at the exam. Requests for re-grading of exams must be made in writing. These requests should contain a complete description of the reason for grade adjustment as well as the students name, TA name and lab time.

Missed work: Students who are unable to attend an exam for a legitimate unavoidable reason may take a make-up exam only if the student provides suitable documentation of the absence and takes the make-up in a timely manner. Students who miss a lab activity or homework assignment for a legitimate reason should use their dropped score for the first absence. Make-up work for subsequent legitimate absences must be discussed with the course coordinator (Dennis Pearl: pearl.1@osu.edu).

Study Rooms and Help Hours: Our TAs hold office hours in CH 132 in the Math/Stat Learning Center, starting the second week of classes and ending the day of the final exam. Specific hours will be listed under the **Help Room** link on the course website.

Academic Misconduct: Please help us to maintain an academic environment of mutual respect, fair treatment, and personal growth. Cheating, plagiarism and other forms of academic dishonesty will not be tolerated and will be dealt with procedurally in accordance with University Rule 3335-31-02 (oaa.osu.edu/procedures). Exams are to be completed individually. Although students are encouraged to work together on assignments and lab reports, each student **must** submit their own written work in his or her own words. Only students who are present may receive credit for in-class activities. Submitting an in-class activity for a student who is not present will be considered academic misconduct.

E-mail Correspondence: In order to protect your privacy, all course e-mail correspondence *must* be done through a valid OSU name.number or buckeyemail account. If you have not activated your OSU email account, you can activate your account at <https://acctmgt.service.ohio-state.edu>.

Course Outline:

The following is a general outline of the course. Specific readings for each topic are available on the course website. Some topics will be supplemented with course handouts.

<i>Topic</i>	<i>Text Chapters</i>	<i>Tentative Schedule</i>
Sampling	1-4	Week 1
Experimentation	5-6	Week 2
Describing Distributions	10-13	Week 2, 3, and 4
Measurement	8	Week 4
Understanding relationships	14,24	Week 5
Midterm Exam		Monday, Oct 26 at 5:30 pm.
Prediction	15	Week 5 and 6
Probability	17-18	Week 7
Sampling distributions	21	Week 7 and 8
Estimation	21	Week 8 and 9
Midterm Exam		Monday, Nov 23 at 5:30 pm.
Tests of Significance	22,23	Week 9 and 10
Final Exam		Tuesday, Dec8, at 5:30pm.

This course has two common midterms and a common final. Students should make preparations to have these times free. Students who have an unavoidable conflict should e-mail the course coordinator (pearl.1@osu.edu) at least 1 week prior to each exam to make appropriate arrangements.

Feedback: We will ask for your feedback at regular intervals during the quarter, but feel free to give us your comments at any time. We want to continue to make Stat 135 a better course and we will take your thoughtful criticism seriously.