

Math 2520 Section 1 - Biometry Syllabus - Spring 2008

Instructor: Corey Bruns
Lectures: MWF 10:00 a.m. - 10:50 a.m. in ECCR 137
Office: MATH 322
Office Hours: WF 11:00 a.m. - 12:00 noon or by appointment
UMRC Hours: M 11:00 a.m. - 1:00 p.m.
E-mail: brunsc@colorado.edu
Course Web Page: <http://math.colorado.edu/~brunsc/2520/>

Text: Robert R. Sokal and F. James Rohlf, *Biometry*, 3rd edition.

Bring the text to lectures. We will discuss examples with large amounts of data, and it will save large amounts of time if I do not have to write all the data on the board.

Prerequisites: Calculus I of some sort.

Course Contents: Introduces the concepts of randomness, confidence and hypothesis tests, then applies these ideas to analysis of variance, linear regression and correlation, all in the context of biology.

Grading: Your final grade will be earned by homework, two mid-semester tests, and a comprehensive final exam as follows;

Homework	1/6
Test 1	1/4
Test 2	1/4
Final Exam	1/3

- *Homework:* Homework will be assigned on the course webpage, and collected more or less weekly. If you use a spreadsheet or other computer program, email me the file to show your work. Late homework will not be accepted. Your n lowest homework scores will be dropped, where n is an integer (known to me, but not to you) between 1 and 4.
- *Tests:* There will be two tests during the semester: February 15 and ~~March 31~~ April 2. These will take place during class.
- *Final Exam:* The final exam will be held on Monday, May 5, 2007, from 4:30 p.m. to 7:00 p.m. in our usual classroom. If you have a conflict with this schedule, let me know in the first two weeks of class.
- *E-mail:* E-mail is the way to contact me outside class and my office. I may also e-mail announcements, so if you do not use your CU e-mail address, let me know as soon as possible.
- *Technological Tools:* We will make use of some technological tools; as part of this, we will learn how to use them and how they work. I recommend having a calculator with statistical functions and a spreadsheet program. A set of statistical tables may also be useful, though there are technological tools for many of them as well.

University Policies:

Students with disabilities: If you qualify for accommodation because of disability, please submit a letter from Disability Services to me early in the semester so that your needs may be addressed. (Disability Services Office, Willard 322, phone 303-492-8671, see <http://www.colorado.edu/disabilityservices>.)

Religious obligations: In case of conflict let me know at least two weeks in advance. For the University's policy on religious obligations, see <http://www.colorado.edu/policies/index.html>.

Student classroom and course-related behavior: See the University's policy at <http://www.colorado.edu/policies/index.html>.

University's honor code: For information on the University's honor code see <http://www.colorado.edu/academics/honorcode/>.