AG E, ANSCI, NRES 345  
Statistical Methods  
Spring 2003     1 unit or 4 hrs credit

Course Information
Instructor: Dr. Sandra Rodriguez-Zas  
Office: Room 306 Animal Sciences Laboratory (ASL)  
Email: rodrgzzs@uiuc.edu  
Phone: (217) 333-8810  
Email hours: Tuesdays and Thursdays 4:00-5:00PM  
Office hours: By appointment.

Lab-Lectures: Tuesdays and Thursdays 1:00-2:30PM ACES LIAC Room 023

Course web address: http://webct.cites.uiuc.edu/  
Course name: ANSCI 345  
Web page login: University of Illinois NetID  
Web page password: Password corresponding to NetID  
Web Course Tools (Webct) support: http://www.cites.uiuc.edu/edtech/resources/webct/passwords/index.html

Description
ANSCI 345 integrates statistical methods, data analysis and statistical programming. An ample set of annotated statistical analysis examples will be used and discussed. The core of ANSCI 345 is hands-on practice using real-world biological data sets. The students will be able to draw meaningful conclusions based on the correct analysis and interpretation of the results. The course notes offer a comprehensive guide and convenient quick-reference with tips and strategies on how to tackle various statistical analyses.

Objectives
1) students will be introduced to a variety of models used across biological disciplines  
2) students will be capable to interpret the results and evaluate the benefits of alternative approaches  
3) students will be familiar with the most appropriate tools available in a widely-used statistical package (SAS®)  
4) students will have an extensive set of examples as reference for future research.

These objectives will be accomplished through computer lab sections, lectures, reading assignments and assessment materials.

Required reading materials:
Class notes. Available at the ANSCI 345 webct site.  

Recommended reading materials:
Available at http://sas.cropsci.uiuc.edu/

Other reading materials:
Grading

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Assignments (best 5 out of 7)</td>
<td>200</td>
<td>27%</td>
</tr>
<tr>
<td>In-class Midterm</td>
<td>250</td>
<td>33%</td>
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<tr>
<td>Take-home Final</td>
<td>300</td>
<td>40%</td>
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<td>Total</td>
<td>750</td>
<td>100%</td>
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Assignments (every two weeks)
Assignments must be submitted through the ANSCI 345 webct website prior to the due day and time. Deadlines are Thursdays January 30, February 13, February 27, March 13, April 10, April 29 and May 6, 2003 at 1PM. Please plan to submit the assignments at least two hours prior to the deadline to avoid mishaps. Email and printed submissions will not be accepted. Late homework will not be accepted without previous (three weekdays in advance) consent of instructor and must be submitted no latter than 48 hours after the deadline.

In-class Midterm
Thursday March 20, 2003. 1:00 – 2:30 PM. ACES LIAC Room 023

Take-home final
Due by Tuesday, May 13, 2003 at 4:30 PM (follows final examination schedule)

Labs
Optional in-class group or individual answers to questionnaires, also known as “lab worksheets”. The goal of the lab worksheets is to practice the concepts covered during the class. Information in the lab worksheets is helpful for the homeworks, midterm and final. The worksheet with the answers can be hand-in by the end of the class but no later than one week from the corresponding class. The worksheet will be corrected to provide feedback, but will not count towards the final grade.

Class notes, lab worksheets (including SAS code, take home messages and questionnaires) and assignments are available at the ANSCI 345 webct webpage. Please, print the class notes and lab worksheets prior to the class.

Academic Integrity
Rule 33 of the Code on Campus Affairs and Handbook of Policies and Regulations Applying to All Students (http://www.uiuc.edu/admin_manual/code/rule_33.html) gives complete details of rules governing integrity for all students. Students are responsible for knowing and abiding by these rules.

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