Chick Experiment

• Birds arrive on March 28th
• TAs will take care of birds until your lab session
• Birds will be fed the experimental diets starting on March 29th or 31st for 2 wks

Lab the week of March 28th..

• Groups 1-2 meet in ASTL
• Groups 3-5 meet in the computer lab
• TAs will assign each group 6 pens
• Each group will choose 5 birds/pen and record an initial pen BW
• Divide each diet into 2 buckets
• Weigh each bucket without the lid and record the weight
• Randomly assign treatments to each pen and add feed
• Use 1 bucket per pen
• Label buckets and pens with lab, group, diet, and rep
• Feed will be placed into the feeders (1 bucket will be matched with each pen)
• Weights will be recorded in the lab book, and each group should keep a copy of their weights as well
• Lab books will be provided by the TAs

Care of the birds...

• Each group will be responsible for having at least one person check the birds each day. Keys will be available for checkout from Pat Jonas (room 3-115A)
• Each group will be responsible for designing a schedule for checking the birds, and a copy of that schedule will be given to your TA
• Make sure there is adequate feed in the feeders.
• Make sure that waterers are working correctly.
Care of the birds...

- The TAs and Dr. Radcliffe will be responsible for the birds over the weekends.

- HOWEVER, someone from your group needs to check on the birds Friday afternoon to make sure that they have adequate feed to make it until Monday.

DATA

- Data will be analyzed using a T-test in Excel to compare test diets against control diets.

- Data analyzed will include:
  - Feed intake, BW gain, and feed efficiency

REPORT

- A report written in Animal Science style and format will be individually submitted by each group member.

- The report should be written as a journal article and should compare the 3 diets designed by each group to test your hypothesis.

- The report should include the following major headings:

  - ABSTRACT
  - INTRODUCTION
  - MATERIALS AND METHODS
  - RESULTS AND DISCUSSION

REPORT

- Due dates:
  - The INTRODUCTION and MATERIALS AND METHODS sections are due on: April 6th or 8th
  - Final reports, including all sections, are due on: April 20th or 22nd

- 15% per day will be deducted for late assignments
REPORT

• Spelling, grammar, and proper format will count!!!

• INTRODUCTION
  – A minimum of 3 refereed publications must be cited

• RESULTS AND DISCUSSION
  – A minimum of 3 refereed publications must be cited

REPORT

• DO NOT wait until the last minute to write this report!!!

Lecture Schedule...

• 3/22- Chick Experiment
• 3/24 Ruminant nutrition
• 3/29 Ruminant nutrition
• 3/31 Ruminant nutrition
• 4/5 Exam II
• 4/7 Companion animal nutrition
• 4/12 Companion animal nutrition
• 4/14 Equine nutrition
• 4/19 Equine nutrition
• 4/21 Dairy nutrition
• 4/26 Dairy nutrition
• 4/28 Dairy nutrition

4/7- Companion Animal Nutrition

• Invited speakers from Iams and Purina

• Speakers will conduct a Q & A session after class for those interested