

Chick Experiment

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- 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

This week's lab....

- 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 groups will be responsible for designing a schedule for checking the birds, and a copy of that schedule will be given to your TA

Care of the birds...

- 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.

Care of the birds...

- A sign up sheet will be placed in the bird room for group members to sign after checking on the birds.
- Failure to check on the birds, or any intervention deemed necessary by Dr. Radcliffe or the TAs will result in a loss of points.

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.

REPORT

- 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
- 4/228 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