

Course Number: AGRI5320

Instructor: Derek M. Anderson

Schedule: Fall 2010

Topic: **Investigation on the pigmentation of hen's eggs when crab meal or lobster meal are fed.**

The objectives of this course are to familiarize the students with methodologies used to evaluate the rate and intensity of pigmentation in hen's egg yolks when crustacean meals are used to provide pigment, to familiarize the student with statistical handling of data from hen studies, to interpret research data derived from a group of studies relating to the subject and to prepare a final report relating to the studies. The formal meetings in the course will be one weekly (100 minute) session where discussion will take place. Initially this will involve lecturing by the instructor. Independent study is expected to take six hours per week at minimum. One other face to face weekly meeting will be planned for consultation (50 minutes). The instructor will provide weekly guidance on the progress of the students. Students will be evaluated on the basis of submitted progress reports (30%); participate in discussion (35%) and submitted final paper (35%).

**Special Topics in Animal Nutrition
AGRI5320**

Week	Outline of Activities
October 4 – October 8	Introduction of subject matter and course expectations. Provision of literature available to the students.
October 11 – October 15	Discussion of literature pertaining to the use of pigments in diets for laying hens.
October 18 – October 22	Discussion of methodologies used to study pigmentation by hens (progress report on literature findings due).
October 25 – October 29	Discussion of results of different studies carried out with pigmentation of egg yolks.
November 1 – November 5	Discussion of statistical handling of data from various studies (progress report on methodologies).
November 8 – November 12	Integration of results from various studies using crustacean meals to pigment hen's eggs.
November 15 – November 19	Discussions on findings from various studies.
November 22 – November 26	Discussion on findings from various studies (progress report on summary of results).

November 29 – December 4	Discussions on relating the literature to the results, and review of content of final report.
December 6 – December 10	Presentation of final report in scientific journal format.

Marking Scheme:		<u>%</u>
	(3) Progress Reports @ 10%	30
	(7) Series of Discussions @ 5%	35
	(1) Final Report	<u>35</u>
	Total	100

Weekly Meeting Times and Location

- Thursdays: 4:00 pm – 5:00 pm Haley Room 112
- Fridays: 2:00 pm – 4:00 pm Haley Room 112