

**ANSC 0700
(2009)
Poultry Production Systems and management**

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Office Hours: 8:00 a.m. - 3:30 p.m.

Lectures: Tuesday and Thursday, 1:00 - 2:15 p.m.
Room 220 Animal Science Building

Laboratory: Thursday, 2:30-5:30 p.m.
Room 220, Animal Science Building.

Prerequisite Course(s): ANSC4550: Undergraduate level ANSC 2500 Minimum Grade of D or Undergraduate level 035 250 Minimum Grade of D.

Learning Objectives:

1. To gain a sound knowledge of the diversity and organisation of poultry production.
2. To gain a basic understanding of how farmers market their products in light of changes taking place in the marketing system. (i.e., marketing boards).
3. To gain knowledge in the basic management practices employed in various avian production systems.
4. To learn about methods and management strategies for optimizing production efficiency.
5. To gain a good understanding of frequent practical problems encountered in avian production systems.
6. To learn to integrate information from previous courses (anatomy, physiology, reproduction, growth, environment, etc.) with management information for the purpose of on-farm problem solving.
7. To gain knowledge and experience in proper handling of poultry.

Required and optional resources

Optional

Poultry Science – Fourth Edition, Pearson Prentice Hall, Colin G Scanes, George Brant and M.E. Ensminger – 2004.

Additional References

In a number of instances the technologies that we will study are advancing far too rapidly for them to be reported in a current general text. In these instances online and current literature references will be presented to supplement the text material. These references are listed at the end of each module, where appropriate.

Reading Materials:

Books:

1. Commercial Chicken Production Manual - AVI - North 4th Ed. 1990.
2. Poultry Science and Production - Reston Press, Moreng and Avens - 1985.
3. Scott-s Nutrition of the Chicken - Leeson & Summers - 4th Ed. 2001.
4. Manual for Poultry Production in the Tropics - CAB Intern - R.R. Sayor. 1987.
5. Nutrition of the Turkey - M.L. Scott of Ithaca - M.L. Scott - 1987.
6. Commercial Poultry Nutrition, 2nd Edit. - S. Leeson & J.D. Summers - 1997.
7. Poultry Production - 13th Ed. - R.E. Austic & M.C. Nesheim - 1990.
8. Poultry Production: Production System Approach - P. Hunton, 1995.
9. Broiler Breeder Production - Leeson & Summers, 2000.
10. Recent Advances in Turkey Science - Nixey & Grey, 1989.
11. Proceedings, First International Symposium of the Artificial Insemination of Poultry - Bask & Wishart, 1995.
12. Egg and Eggshell Quality - Soloman, 1991.
13. Poultry Breeding and Genetics - Crawford, 1990.
14. Nutrition and Management of Ducks - Scott & Dean, 1991.
15. Avian Incubation - Tullet, 1991.
16. Poultry Meat Science - Richardson & Mead, 1999.
17. Storey-s Guide to Raising Poultry - Marcia
18. Commercial Chicken Meat and Egg Production, 5th Edition. Donald D. Bell and William D. Weaver.2002

Journals:

1. Poultry Science
2. British Poultry Science
3. World Poultry Science Journal
4. Canadian Journal of Animal Science
5. Journal of Applied Poultry Research
6. Avian & Poultry Biology Reviews

Trade and Technical Journals:

1. World Poultry, Poultry International
2. International Hatchery Practice
3. Canada Poultryman
4. Western Producer
5. Manitoba Co-operator

Internet Resources: make sure they are quality sites.

Texas A & M University

Department of Poultry Science

Poultry Science Virtual Library <http://gallus.tamu.edu/library/dother.html>

Manitoba chicken producers <http://www.chicken.mb.ca/facts.html>

http://prairieswine.usask.ca/porkinsight/welfare_issues/index.html

***Please report any other sites you may find useful.** Web sites related to Avian and Poultry production systems

References for the course: (my office and library)

1. Poultry Production in Hot Climates, Editor N.J. Dagher, 1995
2. Commercial Chicken Production Manual@ - North 2nd and 3rd Edition, 1984.
3. Commercial Poultry Nutrition, Leeson and Summers, 1997.
4. Production Systems Approach 9: Poultry Production@, Editor P. Hunton, 1995
5. Poultry Production, 13th Edition 1990", Austic and Nesheim.
6. Poultry Science Ensminger, 4th Edition, 2004.
7. Recent Advances in Turkey Science, Nixey and Grey, 1989.
8. The Health of Poultry, Editor, Mark Pattison, 1993.
9. Broiler Breeder Production@, Leeson and Summers, 2000.

10. Popular poultry magazines:
- a. Canadian Poultry
 - b. World Poultry
 - c. Hatchery Management
 - d. Feedstuffs
 - e. Western Producer
 - f. Manitoba Co-operator

Grades:

Term Tests (2 x 25)	50%
Assignments Lab (20%)	20%
Final Exam (2 hours)	30%

First Test	October 22
Second Test	November 19
Final	December 10

Assignments are mostly associated with the labs and are due within one week of being assigned. At least one assignment will be a group effort. Late assignments will be penalized by deducting 10% of its value for every day late.

STUDENTS ARE ADVISED TO CHECK THE GENERAL CALENDAR (2006/07) FOR COMMENTS ON PLAGIARISM AND CHEATING AS WELL AS EXAMINATION IMPERSONATION (PAGE 26). PLAGIARISM OF AN ASSIGNMENT OR CHEATING ON AN EXAM WILL RESULT IN A GRADE OF F.

COURSE CONTENT:

MODULE	MAIN TOPICS	TIME (Hrs)
1	Review of Poultry Welfare	2
2	Origin and History of Poultry Species	1
3	Biology of the Bird	3
4	Manitoba Poultry Industry	1
5	Poultry Industry profile	2
6	Poultry Breeding and Selection	3
7	Managing Hatching Egg and Incubation	3
8	Breeder Replacement	4
9	Broiler chicken	4
10	Hen Layer	4
11	Student Project Presentations	10
	Labs	22
	Mid term test	2
	Final Exam	2
	Total	63