

COURSE NAME; NUMBER; SEMESTER; MEETING DAYS, TIMES, AND PLACE.

Poultry Production and Management

11:067:341, 3 credits Spring, 2024

This course will be offered in an IN-PERSON format.

Class meetings will be held in Thompson Hall Room 101 on Mondays and Thursdays from 12:10pm-1:30pm.

We will also be working with poultry at PSARF.

To access the course, log into the Canvas web site (<https://canvas.rutgers.edu>). For more information about course access or support, contact the Canvas Help Desk via email at help@canvas.rutgers.edu or call 833-648-4357.

CONTACT INFORMATION:

Instructor and Course Coordinator: Professor Henry Bignell

Office Location: 120 Bartlett Hall

Phone: 848-932-9404 Email: h.bignell@rutgers.edu

Office Hours: By Appointment

PREREQUISITES: 11:067:142 Introduction to Animal Science.

COURSE WEBSITE, RESOURCES AND MATERIALS:

- Lecture notes, supplementary readings and videos will be posted on <https://canvas.rutgers.edu>. Login to the site using your NetID and password. If you are enrolled in the course you'll find the course listed on the Courses tab.
- Technology requirements
 - o Computer (Macintosh – OS X or newer, or PC – Windows 8 or newer) with high-speed internet connection
 - o Speakers
 - o Built-in or external webcam
 - o Built-in or external microphone
 - o More information on [Canvas Basic Computer Specifications](#) and [Supported Browsers](#).

COURSE DESCRIPTION:

The course provides an in-depth study of the husbandry and management of poultry. The course will provide a solid understanding of the basic requirements for poultry management in a variety of settings based on

the behavioral, anatomical, physiological, and health considerations of poultry animals. The course is appropriate for both novice and experienced poultry enthusiast. We will also explore the ins and outs of poultry production specifically in NJ.

PROGRAM LEARNING GOALS:

See <https://animalsciences.rutgers.edu/undergraduate/mission.html> for the program learning goals (PLGs).

By the end of this course you will:

1. Gain a perspective for the poultry industry in New Jersey in order to better understand both the future of animal agriculture and its diversity. (PLG 1)
2. Apply subject matter knowledge related to physiology, nutrition, genetics, reproduction, and economics in studying contemporary poultry systems. (PLG 2) Assessment: Homework, attendance.
3. Have a basic understanding of the anatomy and behavior of poultry and what is required to meet their physiological and behavioral needs. (PLG 3)
4. Develop critical thinking skills to identify both scientific and practical questions related to poultry management, analyze and interpret data related to those questions, and develop solutions to contemporary problems. (PLG 5) Assessment: Paper writing and presentation.
5. Develop oral and written communication skills to effectively deliver scientific and technical information to poultry farmers and scientists as well as the public. (PLG 6) Assessment: Paper writing and presentation

Assessment: Based on in class participation, exams, farm management plan and in class presentation.

ASSIGNMENTS & GRADING:

Grading

2 exam @ 200 points (44%)

In class participation and attendance @ 50 points (12%)

1, 5 min presentation @ 100 points (22%)

1 poultry farm plan @ 100 points (22%)

Grades:	A = 100-90.0%
	B+ = 89.9-85.0%
	B = 84.9-80.0%
	C+ = 79.9-75.0%
	C = 74.9-70.0%
	D = 69.9-60.0%
	F = 59.9-0%

Exam will be conducted IN-PERSON during the class period. Students will have 80-minutes to complete the exam.

Presentation: Each student will have 5 minutes to present a powerpoint presentation answering this prompt: What is a potential issue poultry producers face in NJ and how can we solve it?

Poultry Farm Plan: The course project will require students to design their own poultry farm for production in New Jersey. This will include consideration of the New Jersey environment for farm businesses, new unique opportunities that may exist in New Jersey, marketing opportunities, consumer preferences, and your own personal desires. This may also include a simplified business plan. Information about location, land needs, species, animal waste management, and a marketing plan are required. These will be due the last day of class.. All writing assignments will be based on content with consideration to technical writing.

In-class participation and attendance: Attendance is expected, however there will be activities and points given for attendance throughout the semester.

NOTE THAT MAKE-UP EXAMS ARE NOT GIVEN. However, if you have a legitimate medical excuse for missing an exam or a religious observation/holiday, please contact the Dean of Students (<https://studentsupport.rutgers.edu/services/absence-and-verification-notice>) as soon as possible for a letter of excusal.

ACADEMIC INTEGRITY

The university's policy on Academic Integrity is available at <http://academicintegrity.rutgers.edu/academic-integrity-policy>. The principles of academic integrity require that a student:

- properly acknowledge and cite all use of the ideas, results, or words of others.
- properly acknowledge all contributors to a given piece of work.
- make sure that all work submitted as his or her own in a course or other academic activity is produced without the aid of impermissible materials or impermissible collaboration.
- obtain all data or results by ethical means and report them accurately without suppressing any results inconsistent with his or her interpretation or conclusions.
- treat all other students in an ethical manner, respecting their integrity and right to pursue their educational goals without interference. This requires that a student neither facilitate academic dishonesty by others nor obstruct their academic progress.
- uphold the canons of the ethical or professional code of the profession for which he or she is preparing.

Adherence to these principles is necessary in order to ensure that

- everyone is given proper credit for his or her ideas, words, results, and other scholarly accomplishments.
- all student work is fairly evaluated and no student has an inappropriate advantage over others.
- the academic and ethical development of all students is fostered.
- the reputation of the University for integrity in its teaching, research, and scholarship is maintained and enhanced.

Failure to uphold these principles of academic integrity threatens both the reputation of the University and the value of the degrees awarded to its students. Every member of the University community therefore bears a responsibility for ensuring that the highest standards of academic integrity are upheld.

STUDENT CODE OF CONDUCT

Students are required to adhere to the [university student code of conduct](http://studentconduct.rutgers.edu/student-conduct-processes/university-code-of-student-conduct/#1495568095620-2f5ce77d-17dd) delineated in the Rutgers student affairs website [student conduct](http://studentconduct.rutgers.edu/student-conduct-processes/university-code-of-student-conduct/#1495568095620-2f5ce77d-17dd) page: <http://studentconduct.rutgers.edu/student-conduct-processes/university-code-of-student-conduct/#1495568095620-2f5ce77d-17dd>

SEBS DEI STATEMENT

It is our intention that students of all backgrounds will be well served by this course. We will work to create an environment of inclusion which respects and affirms the inherent dignity, value, and uniqueness of all individuals, communities and perspectives. We are lucky to have a diverse university. Diverse voices and life

experiences enhance the learning process and we welcome students to share their personal experiences. We will not tolerate disrespectful language or behavior against any individual or group. If you feel as though you have been disrespected or treated unfairly by the instructors or any other individual please let us know. You may speak with the instructors in person, over email or report anonymously via the Office of Academic Programs. In addition, you may also report bias to the Rutgers Diversity and Inclusion initiative using this link: <http://inclusion.rutgers.edu/report-bias-incident/>.

STUDENT WELLNESS SERVICES

Counseling, ADAP & Psychiatric Services (CAPS)

(848) 932-7884 / 17 Senior Street, New Brunswick, NJ 08901/ www.rhscaps.rutgers.edu/

CAPS is a University mental health support service that includes counseling, alcohol and other drug assistance, and psychiatric services staffed by a team of professional within Rutgers Health services to support students' efforts to succeed at Rutgers University. CAPS offers a variety of services that include individual therapy, group therapy and workshops, crisis intervention, referral to specialists in the community and consultation and collaboration with campus partners.

Violence Prevention & Victim Assistance (VPVA)

(848) 932-1181 / 3 Bartlett Street, New Brunswick, NJ 08901 / www.vpva.rutgers.edu/

The Office for Violence Prevention and Victim Assistance provides confidential crisis intervention, counseling and advocacy for victims of sexual and relationship violence and stalking to students, staff and faculty. To reach staff during office hours when the university is open or to reach an advocate after hours, call 848-932-1181.

Disability Services

(848) 445-6800 / Lucy Stone Hall, Suite A145, Livingston Campus, 54 Joyce Kilmer Avenue, Piscataway, NJ 08854 / <https://ods.rutgers.edu/>

Rutgers University welcomes students with disabilities into all of the University's educational programs. In order to receive consideration for reasonable accommodations, a student with a disability must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation: <https://ods.rutgers.edu/students/documentation-guidelines>. If the documentation supports your request for reasonable accommodations, your campus's disability services office will provide you with a Letter of Accommodations. Please share this letter with your instructors and discuss the accommodations with them as early in your courses as possible. To begin this process, please complete the Registration form on the ODS web site at: <https://webapps.rutgers.edu/student-ods/forms/registration>.

DoSomething button through Rutgers Dean of Students office:

<http://health.rutgers.edu/do-something-to-help/>

Wellness Coaching through Rutgers HOPE:

<http://health.rutgers.edu/education/hope/wellness-coaching/>

Self-Help Apps found on the Rutgers Student Health website:

<http://health.rutgers.edu/education/self-help/self-help-apps/>

NJ Hopeline - (1-855-654-6735) | **National Suicide Hotline** - (1-800-273-8255)

BASIC NEEDS RESOURCES

Any student who has difficulty affording groceries or accessing sufficient food, or who lacks a safe and stable place to live, is urged to contact the Rutgers Student Food Pantry and/or the Dean of Students (details below). Furthermore, please notify the professor if you are comfortable doing so, as they may be able to provide additional support.

Rutgers Student Food Pantry

848-932-5500 / College Ave Student Center, Room 115 (126 College Ave) /

<http://ruoffcampus.rutgers.edu/food/>

Check their website for hours and additional locations. The Rutgers Student Food Pantry is dedicated to helping all Rutgers students in need of food, no questions asked. Students will be provided with groceries that typically last about one week.

Dean of Students Office

848-932-2300 / 88 College Avenue, New Brunswick, NJ 08901 / <https://deanofstudents.rutgers.edu/>

Mon-Fri, 8:30am-5:00pm

The Dean of Students Office at Rutgers University-New Brunswick provides solutions, services, and support to help students navigate Rutgers University. The Office serves as a student support network by providing advocacy, problem resolution, and critical incident intervention for those times when additional assistance is needed. Please call to schedule an appointment to meet with a representative from the Dean's office.

STUDENT SUPPORT SERVICES

Academic Services:

- For academic support visit [rutgers academics student support](https://www.rutgers.edu/academics/student-support) at <https://www.rutgers.edu/academics/student-support>
- Any student can obtain tutoring and other help at the [learning centers](https://rlc.rutgers.edu/) on each campus. Check the website at <https://rlc.rutgers.edu/>
- For coaching help with writing skills and assignments visit the [writing coaching](https://rlc.rutgers.edu/student-services/writing-coaching) webpage at <https://rlc.rutgers.edu/student-services/writing-coaching>
- Many library resources are available online. Assistance is available through phone, email, and chat. For information, check the [rutgers libraries](https://www.libraries.rutgers.edu/) website at <https://www.libraries.rutgers.edu/>

RUTGERS STUDENT HEALTH SERVICES:

[Rutgers student health services](http://health.rutgers.edu/) is dedicated to health for the whole student body, mind and spirit. It accomplishes this through a staff of qualified clinicians and support staff. Services are available at several locations throughout the New Brunswick-Piscataway area. For more information visit: <http://health.rutgers.edu/>

VETERAN SERVICES:

Rutgers is proud to support veterans. If you are a veteran of the armed forces, please visit the [office of veteran and military programs and services](https://veterans.rutgers.edu/) website for more information: <https://veterans.rutgers.edu/>

COURSE SCHEDULE:

Lecture	Date	Lecture Topic	Exam Schedule
1	1/18	Intro, Bio-security, Syllabus, and Course Expectations	
2	1/22	Breeds, Anatomy, Poultry Examination	
3	1/25	Restraint and Poultry Examination Demo @ PSARF	
4	1/29	Reproduction and Egg Formation In class presentation discussion	
5	2/1	Breeding, Hatching and Chick Management	
6	2/5	Record keeping and ID	
7	2/8	Banding or Chicks PSARF	
8	2/12	Environmental Requirements of Poultry	
9	2/15	Banding or Chicks PSARF	
10	2/19	Exam 1	Exam 1-In person
11	2/22	Housing Operations and Ventilation	
12	2/26	Nutrition	
13	2/29	PSARF Housing and Nutrition	
14	3/4	Practical Poultry Feeding	
15	3/7	Layer and Broiler Management PSARF	
16	3/18	Diseases and Parasites	
17	3/21	Hygiene on the Poultry Farm	

Lecture	Date	Lecture Topic	Exam Schedule
		Poultry Management Plan Overview	
18	3/25	Exam 2	Exam 2- In person
19	3/28	Systems of Management and Predators	
20	4/1	Marketing Poultry and Eggs- Rules and Regs in NJ Egg Grading	
21	4/4	PSARF Moving Birds	
22	4/8	In class Presentations	In Class Presentations
23	4/11	PSARF-Poultry Management	
24	4/15	Turkeys, Geese, Ducks, and Quail	
25	4/18	PSARF-Poultry Management	
26	4/22	Poultry Welfare and Alternative Systems	
27	4/25	Culling Demo PSARF	
28	4/29	Recap and Poultry Management Plans	Poultry Farm Plan Due in class.

Schedule is Tentative for topics and animal handling and can change. Professor Bignell will notify you if the schedule changes