

Population Health Courses

Course ID: IDIS(POPH) 3110. 3 hours.

Course Title: Food Animal Infectious Diseases

Course Description: To provide basic information to undergraduate students about zoonotic, economically important or politically important diseases of livestock (particularly mammalian food animals and horses).

Oasis Title: FOOD ANIMAL ID

Prerequisite: BIOL 1103

Course Offered: Offered every year.

Grading System: A-F (Traditional)

Course ID: POPH 3730. 3 hours.

Course Title: Poultry Health

Course Description: Common infectious, parasitic, and nutritional diseases of poultry: the cause, diagnosis, prevention, and control. Offered to students majoring in poultry science and others who are qualified.

Oasis Title: POULTRY HEALTH

Duplicate Credit: Not open to students with credit in AVMD 3730

Prerequisite: POUL 3600 and MIBO 3500

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: MIBO(POPH) 4220/6220. 3 hours.

Course Title: Pathogenic Bacteriology

Course Description: Molecular basis of bacterial virulence: identification of virulence factors, genetic regulation of virulence, and the complex interactions between bacterial pathogens and their hosts.

Oasis Title: PATHOGEN BACTERIOL

Prerequisite: MIBO 3500

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH(MIBO)(IDIS) 4450/6450-4450L/6450L.** 4 hours. 3 hours lecture and 2 hours lab per week.

Course Title: **Microbial Genetics and Genomics**

Course Description: Molecular basis of gene regulation in microorganisms with emphasis on systems pertaining to pathogenesis, evolution, and ecology. computer lab includes examination of evolutionary relatedness, sequence comparisons, database searches and reconstruction of metabolic pathways.

Oasis Title: MICROBIAL GENETICS

Duplicate Credit: Not open to students with credit in MIBO 4800L/6800L or MMIB 4450/6450

Undergraduate Prerequisite: MIBO 3500

Graduate Prerequisite: MIBO 3500 or permission of department

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: **WILD(POPH) 4600/6600.** 2 hours.

Course Title: **Field Methods in Wildlife Health, Management, and Research**

Course Description: Field course providing personal experience in field methods used by wildlife biologists (prescribed burning, wildlife capture/handling, population assessment, radiotelemetry, habitat surveys, necropsy techniques, sample collection, etc.).

Oasis Title: FLD METH WILDL MGMT

Duplicate Credit: Not open to students with credit in FORS 4890/6890

Nontraditional Format: This course will be taught entirely in the field during the Maymester. An intensive 6-day and 5-night field trip to an off-campus site is required.

Undergraduate Prerequisite: Permission of school

Graduate Prerequisite: Permission of school

Course Offered: Offered summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH(MIBO)(IDIS) 4650/6650.** 3 hours.

Course Title: **Introduction to Virology**

Course Description: Introduction to basic principles and concepts of virology, viral replication and pathogenesis for undergraduate and graduate students. Class topics will include

Description: classification, replication, diagnosis, quantification, pathogenesis, and epidemiology of viruses.

Oasis Title: INTRO VIROLOGY

Undergraduate Prerequisite: [MIBO 3500 and (GENE(BIOL) 3200 or POPH(MIBO)(IDIS) 4450/6450-4450L/6450L)] or permission of department

Graduate Prerequisite: Permission of department

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH(MIBO) 4651.** 3 hours.

Course Title: **RNA Virus Genomic Diversity**

Course Description: Use of recent publications on molecular characterization and analysis of RNA viruses to give students insight on virus genome diversity and evolution.

Oasis Title: RNA VIRUSES

Prerequisite: BCMB(BIOL)(CHEM) 3100 or BCMB 4010/6010 or permission of department

Course Offered: Offered spring semester every even-numbered year.

Grading System: A-F (Traditional)

Course ID: **POPH 4900L.** 4 hours. Repeatable for maximum 12 hours credit. 8 hours lab per week.

Course Title: **Directed Research for Undergraduate Students**

Course Description: Independent laboratory research in infectious disease pathogenesis and epidemiology under the direction of a faculty member.

Oasis Title: DIRECTED RESEARCH

Prerequisite: Permission of department

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 4960.** 1-5 hours. Repeatable for maximum 20 hours credit.

Course Title: **Directed Research**

Course Description: Students will work on various research related to population genetics and ecology of bacterial pathogens. Students will learn a specific laboratory technique and apply this method towards a specific research project. In addition, students will learn basic laboratory skills, including making solution, bacterial cultivation, etc.

Oasis Title: DIRECTED RESEARCH

Nontraditional Format: Course is taught in a research format. Hours-per-week vary depending on stage of project.

Prerequisite: Permission of department

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **WILD(POPH) 5100/7100.** 3 hours.

Course Title: **Principles and Management of Wildlife Diseases**

Course Description: Fundamental causes of disease-induced morbidity and mortality among free-ranging wildlife populations. Emphasis on the etiology, pathogenesis, clinical signs, lesions, epidemiology, diagnosis, and management significance of diseases produced by toxicologic, viral, microbial, parasitic, pathogens.

Oasis Title: WILDLIFE DISEASES

Duplicate Credit: Not open to students with credit in FORS(POPH) 5100/7100 or FORS(PARA) 8500-8500L or FORS(IDIS) 8510-8510L

Course Offered: Offered spring semester every year.

Grading System: A-F (Traditional)

Course ID: **LAMS(POPH) 5160.** 1.5 hours.

Course Title: **Large Animal Infectious Diseases**

Course Description: A review of the principles of infectious diseases of large animals, the mechanisms by which microorganisms infect and cause disease, how the immune response contributes to disease, the principles of infectious disease epidemiology, and how antimicrobials and vaccines can be used rationally to control these diseases.

Oasis Title: LARGE AN INFECT

Nontraditional Format: This course is taught in a five-week elective period with 20 lectures (contacts) and two 3-hour labs for a total of 23 contacts.

Prerequisite: DVM student

Course Offered: Offered spring semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 5180.** 1 hour.

Course Title: **Public Health**

Course Description: An introduction to the important role of veterinarians in protecting public health. An emphasis on the relationship between animal and human health, and current national and international issues in human health and public health policy that impact veterinary medicine will be presented. Computer modules, didactic lecture material and student presentations will cover various aspects of veterinary medicine and emerging human diseases.

Oasis Title: PUBLIC HEALTH

Duplicate Credit: Not open to students with credit in VPAT 5180

Nontraditional Format: This course is taught in a five week elective period with nine contacts (lectures), one 2-hour lab, and five discussion group sessions for a total of 15 contacts.

Course Offered: Offered spring semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 5200.** 2 hours. Repeatable for maximum 4 hours credit.

Course Title: **Management for Food Animal Health and Production**

Course Description: Health care and management procedures for food producing animals.

Oasis Title: FA HEA AND PROD MGT

Duplicate Credit: Not open to students with credit in LAMS 5200

Nontraditional Format: This course is taught in a five-week elective period with 30 contacts (lecture hours) for a total of 2.0 credit hours.

Prerequisite: Completion of the 2nd year core fall veterinary curriculum

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 5201.** 1 hour.

Course Title: **Wildlife Diseases**

Course Description: This is an introductory course in conservation/wildlife biology designed for DVM students. Emphasis will be placed on wildlife diseases and their potential impacts on free-ranging wildlife populations.

Oasis Title: WILDLIFE DISEASES

Duplicate Credit: Not open to students with credit in MMIB 5200 or IDIS 5201

Nontraditional Format: Course taught in a five week period three lectures per week.

Prerequisite: Must be at least a 2nd-year DVM student

Course Offered: Offered spring semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 5202.** 1.1 hours.

Course Title: **Laboratory Animal Medicine: Husbandry, Diseases, and Management of Laboratory Animals**

Course Description: This is an elective course for students who are interested in learning about the care and use of common laboratory animals as well as being introduced to the specialty of laboratory animal medicine.

Oasis Title: LAB ANIMAL MEDICINE

Duplicate Credit: Not open to students with credit in VETM 5202

Nontraditional Format: This course is taught in a five-week elective period with 17 lectures (contacts) for a total of 1.1 credit hours.

Prerequisite: This course is open to second or third year veterinary students

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 5203L.** 0.3 hours.

Course Title: **Techniques in Laboratory Animal Medicine**

Course Description: Humane methods of animal maintenance and experimentation; the testing methods which minimize animal distress; use of anaesthetics, analgesics, and tranquilizers for commonly used lab species.

Oasis Title: ANIMAL RES TECH

Nontraditional Format: This course is taught in a 5-week elective period with a total of five 2-hour labs for a total of 0.3 credit hours.

Prerequisite: POPH 5202

Course Offered: Offered spring semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 5215.** 0.6 hours (will be 0.7 hours when approved by UCC and UC).

Course Title: **Animal Welfare**

Course Description: Background concepts and principles of animal welfare. Students will be provided with information regarding current issues of animal welfare pertinent to veterinary medicine.

Oasis Title: ANIMAL WELFARE

Nontraditional Format: The course will be taught during the 5-week elective period with a total of 5 lectures and 5 discussion groups for a total of 10 contacts.

Course Offered: Offered spring semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 5230.** 0.6-1 hours. Repeatable for maximum 2 hours credit.

Course Title: **Special Topics in Population Health**

Course Description: Presentation and discussion of published research and new developments in population health.

Oasis Title: VET POPH

Nontraditional Format: This course is taught in a five-week elective period for 2 to 3 hours per week for a total of 10 to 30 contacts.

Course Offered: Offered fall and spring semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 5240.** 2 hours.

Course Title: **Epidemiology and Preventive Medicine**

Course Description: The applications of epidemiology to veterinary clinical medicine. The zoonotic diseases of topical interest, with special emphasis on the foodborne diseases associated with red meat and poultry.

Oasis Title: EPIDEMIOLOGY

Duplicate Credit: Not open to students with credit in MMIB 5250 or IDIS 5250

Nontraditional Format: This course consists of 30 contact (lecture) hours or 2 credit hours.

Prerequisite: Permission of department

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 5250.** 1 hour.

Course Title: **Poultry Diseases**

Course Description: The etiology, epidemiology, pathogenesis, diagnosis, prevention, control, and treatment of infectious diseases of poultry. General aspects of biosecurity, food safety, welfare, and population medicine in commercial poultry.

Oasis Title: POULTRY DISEASES

Duplicate Credit: Not open to students with credit in AVMD 5250

Nontraditional Format: This course will be offered as a regular elective course with class lectures and one laboratory practicum to include basic bird anatomy, bird handling, and sampling and postmortem examination techniques.

Prerequisite: Enrollment in the 2nd year of the veterinary medicine curriculum

Course Offered: Offered spring semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 5280.** 0.4 hours.

Course Title: **Applied Preventive Health**

Course Description: Study of preventive health management programs common across animal species.

Oasis Title: APP PREV HEALTH

Duplicate Credit: Not open to students with credit in LAMS 5280

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 5312.** 1 hour. Repeatable for maximum 1 hour credit.

Course Title: **Ruminant Internal Medicine: Digestive Diseases**

Course Description: This course will use a case oriented approach to review common digestive disorders in ruminants. Students will be expected to generate a tentative etiologic list, and a diagnostic and therapeutic (preventive health) plan after being presented with a clinical situation involving cattle, sheep, or goats.

Oasis Title: RUM DIG DIS

Duplicate Credit: Not open to students with credit in LAMS 5312

Nontraditional Format: This course is taught in the 5 week elective period with 15 lectures for a total of 1 credit hour.

Pre or Corequisite: LAMS 5350

Course Offered: Offered spring semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 5390.** 1.3 hours.

Course Title: **Diseases of Swine**

Course Description: Review of diseases encountered in swine practice.

Oasis Title: DIS OF SWINE

Duplicate Credit: Not open to students with credit in LAMS 5390

Nontraditional Format: This course is taught in a five week election session with 20 lectures for 1.3 credit hours.

Prerequisite: Second year veterinary curriculum

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 5400.** 1.3-3.9 hours. Repeatable for maximum 7.8 hours credit.

Course Title: **Avian Medicine Clinical Rotation**

Course Description: In-depth study of a specialty area of avian medicine.

Oasis Title: AVIAN MED CLIN ROTA

Duplicate Credit: Not open to students with credit in AVMD 5400

Nontraditional Format: This is a senior clinical rotation where 2 hours in the clinic equals 1 contact hour (40 hrs per week divided by 2 equals 20 contacts per week or 1.3 cr hrs per week).

Prerequisite: Enrollment in the College of Veterinary Medicine professional curriculum

Pre or Corequisite: AVMD 5250

Course Offered: Offered fall, spring and summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 5410.** 3.9-7.8 hours. Repeatable for maximum 15.6 hours credit.

Course Title: **Wildlife Population Health**

Course Description: Exposure to the many aspects of wildlife population health. Students will participate in field and laboratory projects, attend meetings of staff to discuss research projects, and conduct a library project on a salient disease topic.

Oasis Title: WILDLIFE POPULATION

Duplicate Credit: Not open to students with credit in PARA 5410 or IDIS 5410

Nontraditional Format: Senior clinical rotation where 2 hours in the clinic equals 1 contact (40 hours per week divided by 2 equals 20 contacts per week or 1.3 credit hours per week).

Prerequisite: Permission of department

Course Offered: Offered fall, spring and summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 5445.** 1.3-3.9 hours. Repeatable for maximum 7.8 hours credit.

Course Title: **Food Animal Practice**

Course Description: Clinical training in food animal practice with a focus on disease and performance concerns.

Oasis Title: FOOD AN PRACTICE

Duplicate Credit: Not open to students with credit in LAMS 5445

Nontraditional Format: Fourth-year clinical rotation where two hours in clinic equals one contact (40 hours per week divided by 2 equals 20 contacts per week or 1.3 hours credit per week). The first time this course is taken, it must be taken for 3.9 hours, but may be repeated for 1.3, 2.6, or 3.9 hours at the instructor's discretion.

Pre or Corequisite: LAMS 5200

Course Offered: Offered fall, spring and summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 5446.** 3.9-7.8 hours. Repeatable for maximum 15.6 hours credit.

Course Title: **Food Animal Practice - Beef Cattle**

Course Description: Development of health and management program for large population of beef cattle.

Oasis Title: FA PRACTICE - BEEF

Duplicate Credit: Not open to students with credit in LAMS 5446

Nontraditional Format: Fourth-year clinical rotation where two hours in clinic equals one contact (40 hours per week divided by 2 equals 20 contacts per week or 1.3 hours credit per week). The first time this course is taken, it is usually taken for 7.8 hours, but may be taken for 3.9 hours at the discretion of the instructor. It may be repeated for increments of 1.3 hours up to 15.6 hours at the instructor's discretion.

Pre or Corequisite: LAMS 5200

Course Offered: Offered fall, spring and summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 5447.** 3.9-7.8 hours. Repeatable for maximum 15.6 hours credit.

Course Title: **Dairy Production Medicine**

Course Description: Students will express findings, concepts, and plans in written and oral format as well as identify and resolve clinical and subclinical disease problems; work with a dairy producer to develop preventive health and management; conduct risk assessments for disease and production problems; analyze data collected by DHIA and producers using PCDART; understand economics of dairy farming and establish production goals for a dairy producer and implement management practices to meet them.

Oasis Title: DAIRY PROD MED

Duplicate Credit: Not open to students with credit in LAMS 5447

Nontraditional Format: Fourth-year clinical rotation where two hours in clinic equals one contact (40 hours per week divided by 2 equals 20 contacts per week or 1.3 hours credit per week). The first time this course is taken, it is usually taken for 7.8 hours, but may be taken for 3.9 hours at the discretion of the instructor. It may be repeated for increments of 1.3 hours up to 15.6 hours at the instructor's discretion.

Prerequisite: LAMS 5200

Course Offered: Offered fall, spring and summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 5448.** 3.9-7.8 hours. Repeatable for maximum 15.6 hours credit.

Course Title: **Food Animal Practice - Swine**

Course Description: Development of health and management programs for swine herds.

Oasis Title: SWINE PRACTICE

Duplicate Credit: Not open to students with credit in LAMS 5448

Nontraditional Format: Fourth year clinical rotation where two hours in clinic equals one contact (40 hours per week divided by 2 equals 20 contacts per week or 1.3 hours credit per week). The first time this course is taken, it is usually taken for 7.8 hours, but may be taken for 3.9 hours at the discretion of the instructor. It may be repeated for increments of 1.3 hours up to 15.6 hours at the instructor's discretion.

Prerequisite: LAMS 5200

Course Offered: Offered fall, spring and summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 5449.** 3.9 hours.

Course Title: **Studies in Food Animal Production**

Course Description: Improve the student's knowledge of a variety of large animal medical and production situations and enable the student to address these problems in an actual production setting.

Oasis Title: STUDIES FA TIFTON

Nontraditional Format: Fourth-year clinical rotation where two hours in clinic equals one contact (40 hours per week divided by 2 equals 20 contacts per week or 1.3 hours credit per week).

Prerequisite: POPH 5200

Course Offered: Offered fall, spring and summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 5900.** 0.7-8 hours. Repeatable for maximum 16 hours credit.

Course Title: **Studies in Population Health**

Course Description: Studies involving different areas of food animal health, population medicine, or theriogenology.

Oasis Title: PH STUDIES

Nontraditional Format: Course taught in a clinical setting. Hours vary daily.

Prerequisite: Must be a DVM student

Pre or Corequisite: POPH 5200

Course Offered: Offered fall, spring and summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 5901.** 0.7-8 hours.

Course Title: **Studies in Clinical Avian Medicine**

Course Description: In-depth studies into a specialty area of avian medicine.

Oasis Title: AVIAN MED STUDIES

Duplicate Credit: Not open to students with credit in AVMD 5900

Nontraditional Format: Clinical rotation.

Prerequisite: Enrollment in the College of Veterinary Medicine professional curriculum

Course Offered: Offered fall, spring and summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 6050.** 3 hours.
Course Title: **Avian Diseases**
Course Description: The signs of specific poultry diseases, their causes, and contributing management factors.
Oasis Title: AVIAN DISEASES
Duplicate Credit: Not open to students with credit in AVMD 6050
Prerequisite: Permission of department
Course Offered: Offered summer semester every year.
Grading System: A-F (Traditional)

Course ID: **POPH 6100.** 3 hours.
Course Title: **Clinical Avian Medicine**
Course Description: Through study of case material, students learn to integrate laboratory test results into an accurate diagnosis. Appropriate treatment and prevention plans will be formulated.
Oasis Title: CLINICAL AVIAN MED
Duplicate Credit: Not open to students with credit in AVMD 6100
Prerequisite: Permission of department
Course Offered: Offered spring semester every year.
Grading System: A-F (Traditional)

Course ID: **POPH 6110.** 2 hours.
Course Title: **Problems in Food Animal Infectious Disease**
Course Description: Diseases of cattle, small ruminants, and swine will be studied, with emphasis on mechanisms of pathogenesis and approach to diagnosis, treatment, and control of infectious diseases in herd settings.
Oasis Title: PROB FA INF DIS
Duplicate Credit: Not open to students with credit in LAMS 6110
Prerequisite: Permission of department
Course Offered: Offered fall semester every year.
Grading System: A-F (Traditional)

Course ID: **POPH 6120.** 1 hour. Repeatable for maximum 4 hours credit.

Course Title: **Food Animal Medicine Clinical Rounds**

Course Description: Faculty and students discuss in detail clinical cases commonly encountered in food animal disease and production.

Oasis Title: FA CLINIC ROUND

Duplicate Credit: Not open to students with credit in LAMS 6120

Prerequisite: Permission of department

Course Offered: Offered spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 6121.** 1 hour. Repeatable for maximum 3 hours credit. 1 hours lab per week.

Course Title: **Avian Medicine Clinical Rounds**

Course Description: Faculty and students will discuss in detail clinical cases representing current avian disease problems.

Oasis Title: CLINICAL ROUNDS

Duplicate Credit: Not open to students with credit in AVMD 6120

Prerequisite: Permission of department

Course Offered: Offered fall and spring semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 6130.** 1 hour. Repeatable for maximum 4 hours credit.

Course Title: **Food Animal Production Medicine Seminar**

Course Description: Presentation and discussion of diagnostic cases and research in production food animal medicine.

Oasis Title: FA PROD MED SEMINAR

Duplicate Credit: Not open to students with credit in LAMS 6130

Nontraditional Format: Students will have 15 lectures over a 15-week semester.

Prerequisite: LAMS 6100 and permission of department

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 6140.** 1.5 hours.

Course Title: **Applied Veterinary Economics**

Course Description: A comparison of methods used to evaluate the utility of veterinary practice and procedures with a focus on economic outcomes.

Oasis Title: VET ECON

Duplicate Credit: Not open to students with credit in LAMS 6140

Nontraditional Format: Students will have twenty-three lectures over a fifteen-week semester.

Course Offered: Offered spring semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 6141.** 1-3 hours. Repeatable for maximum 12 hours credit. 3-9 hours lab per week.

Course Title: **Avian Necropsy**

Course Description: Necropsy procedures applied to diagnosis of avian diseases. Use of necropsy case material to correlate function with structure; appropriate therapeutic and prophylactic measures are discussed and recommendations for clients determined. Problem-oriented medical records maintained for discussion and audit.

Oasis Title: AVIAN NECROPSY

Duplicate Credit: Not open to students with credit in AVMD 6140

Prerequisite: Permission of department

Course Offered: Offered fall, spring and summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 6150.** 1 hour.

Course Title: **Problems and Current Issues in Food Animal Practice**

Course Description: An overview of problems and current issues encountered in food animal practice, including time management, communications, client interaction, personnel management, conflict management, contracts, value-based assessment, team working, and process management.

Oasis Title: PROB & CURRENT ISS

Duplicate Credit: Not open to students with credit in LAMS 6150

Prerequisite: Permission of department

Course Offered: Offered spring semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 6160L.** 3 hours. 9 hours lab per week.

Course Title: **Poultry Disease and Management Interaction**

Course Description: Interactions between current commercial management practices relative to their effect on poultry diseases. Actual field experiences are used in the identification of health problems and recommendations for improving flock health.

Oasis Title: POULTRY DIS MANAGEM

Duplicate Credit: Not open to students with credit in POPH 6160L or AVMD 6160

Nontraditional Format: Class will convene on Mondays, Tuesdays, Wednesdays, and Fridays.

Prerequisite: Permission of department

Course Offered: Offered summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 6160.** 1-3 hours. Repeatable for maximum 6 hours credit.

Course Title: **Special Problems in Food Animal Medicine**

Course Description: Directed investigation of clinical cases; preparation leading to the definition, hypothesis, and plan of an applied research study; development of complex models addressing food animal economics or disease; scholarly activity required for publication of case studies or clinical trials; directed demonstration of skills not fully addressed by other coursework.

Oasis Title: FA SPECIAL PROB

Duplicate Credit: Not open to students with credit in LAMS 6160

Nontraditional Format: Directed study.

Prerequisite: LAMS 6100 and permission of department

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 6210.** 7 hours. 40 hours lab per week.

Course Title: **Avian Medicine Externship**

Course Description: Independent off-campus experience working as a veterinarian in commercial poultry companies, allied industries, or diagnostic laboratories.

Oasis Title: AVIAN MED EXTERN

Duplicate Credit: Not open to students with credit in AVMD 6210

Nontraditional Format: Students in this course are off-campus and participate full time in the daily and weekly activities of their corporate or governmental sponsors.

Prerequisite: Permission of department

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 6230.** 2 hours.

Course Title: **Problems in Epidemiology and Statistics**

Course Description: Evaluation of herd level disease and production issues using case record datasets, with emphasis on data management and analysis.

Oasis Title: PROBLEMS EPI & STAT

Duplicate Credit: Not open to students with credit in LAMS 6230

Nontraditional Format: As a practicum, this course will have a mixture of lecture and computer laboratory time.

Prerequisite: Permission of department

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 6240.** 8 hours.

Course Title: **Food Animal Production Medicine Externship**

Course Description: Independent off-campus experience working as a veterinarian in a commercial food animal production company, pharmaceutical, biologic, animal regulatory agency, or diagnostic laboratory.

Oasis Title: FA EXTERNSHIP

Duplicate Credit: Not open to students with credit in LAMS 6240

Nontraditional Format: Students in this course are off-campus and participate full-time in the activities of their corporate or governmental sponsors.

Prerequisite: Permission of department

Corequisite: LAMS 6250

Course Offered: Offered summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 6250.** 7 hours.

Course Title: **Directed Studies in Food Animal Clinical Research**

Course Description: Development, execution, and summarization of a clinical research study in cooperation with a food animal production company, pharmaceutical company, biologics company, diagnostic laboratory, or animal regulatory agency.

Oasis Title: FA CLINICAL RES

Duplicate Credit: Not open to students with credit in LAMS 6250

Nontraditional Format: This course and Food Animal Production Medicine Externship are inherently linked. During the externship, students will split time between the "externship" activity and completing an applied research study. Note that the applied research study will have value to the externship provider.

Prerequisite: Permission of department

Corequisite: LAMS 6240

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: **PHRM(POPH) 6550.** 5 hours. 3 hours lecture and 4 hours lab per week.

Course Title: **Essentials of Animals in Biomedical Research**

Course Description: Humane methods of animal maintenance and experimentation; the testing methods which minimize animal distress; use of anesthetics, analgesics, and tranquilizers for commonly used lab species; methods for reporting deficiencies in animal care; laws pertaining to the use of animals in biomedical research.

Oasis Title: ANIMALS IN RESEARCH

Prerequisite: Permission of department

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 6700.** 3 hours. Repeatable for maximum 9 hours credit. 6 hours lab per week.

Course Title: **Clinical Food Animal Medicine**

Course Description: Through study of case material, students learn to integrate clinical and laboratory findings into an accurate diagnosis. Appropriate treatment and prevention plans will be formulated.

Oasis Title: CLINIC FA PROD MED

Duplicate Credit: Not open to students with credit in LAMS 6100

Nontraditional Students will spend at least one day per week during the term participating in field

Format: investigation of clinical cases. The minimum number of days/semester will be sixteen.

Prerequisite: Permission of department

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 6800.** 3 hours. 6 hours lab per week.

Course Title: **Avian Pharmacology and Toxicology**

Course Description: Chemistry, mechanisms of action, legal dosages, residue concerns, and analysis of antibiotics, minerals, vitamins, anthelmintics, mycotoxins, and other naturally-occurring toxicants impacting commercial poultry production.

Oasis Title: AVIAN PHARM/TOX

Duplicate Credit: Not open to students with credit in AVMD 6800

Nontraditional Format: Class will convene on Mondays, Tuesdays, Wednesdays, and Fridays.

Prerequisite: Permission of department

Course Offered: Offered summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 7010.** 1-4 hours. Repeatable for maximum 24 hours credit.

Course Title: **Laboratory Animal Medicine and Pathology Practicum**

Course Description: Students coordinate clinical and diagnostic approaches for laboratory animals. Through investigation of case material, students learn to integrate clinical, diagnostic, and pathological findings into an accurate diagnosis. Activities include physical exam, obtaining history, developing diagnostic and treatment plans, necropsy, evaluating results, colony management, and case reporting.

Oasis Title: LAB AN MED PRACT

Nontraditional Format: Students are instructed by faculty in one-on-one format. Instruction includes clinical, diagnostic, and necropsy procedures; reviewing results; developing treatment and colony management plans; health surveillance; and writing and presenting case reports.

Prerequisite: Permission of department

Course Offered: Offered fall, spring and summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 7060L.** 1 hour. 3-4 hours lab per week.

Course Title: **Avian Diagnostic Microbiology Laboratory**

Course Description: Laboratory to be taken in conjunction with Avian Diagnostic Microbiology. The laboratory will apply techniques discussed in lectures.

Oasis Title: AVIAN MICRO LAB

Duplicate Credit: Not open to students with credit in AVMD 7060L

Nontraditional Format: Lab will convene on Mondays, Tuesdays, Wednesdays, and Fridays.

Prerequisite: Permission of department

Corequisite: AVMD 7060

Course Offered: Offered spring semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 7060.** 3 hours.

Course Title: **Avian Diagnostic Microbiology**

Course Description: Intense practical experience in acquisition, handling, and processing of clinical microbiological specimens. Areas covered include processing techniques, culture techniques, media selection, screening methods, interpretation of cultures, traditional and rapid identification methods, antimicrobial sensitivity testing, special recovery and enrichment techniques, hatchery microbiology, HACCP and processing.

Oasis Title: AVIAN MICROBIOLOGY

Duplicate Credit: Not open to students with credit in AVMD 7060

Nontraditional Format: Class will convene on Mondays, Tuesdays, Wednesdays, and Fridays.

Prerequisite: Permission of department

Corequisite: AVMD 7060L

Course Offered: Offered spring semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 7210E.** 3 hours.

Course Title: **Breeder Husbandry and Health**

Course Description: This is an on-line distance learning course designed to educate veterinarians regarding husbandry and health management of poultry breeder flocks.

Oasis Title: BREEDER HUSBANDRY

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 7220E.** 3 hours.

Course Title: **Incubation Theory, Hatchery Practices, and Poultry Health**

Course Description: This is an on-line distance learning course intended to educate veterinarians regarding hatchery practices and poultry health.

Oasis Title: HATCHERY PRACTICES

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 7230E.** 3 hours.

Course Title: **Poultry Genetics and Nutrition**

Course Description: This is an on-line distance learning course intended to educate veterinarians regarding the interaction between genetics, nutrition, and husbandry in maintaining healthy birds in poultry production.

Oasis Title: POULTRY GENETICS

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 7310E.** 9 hours.

Course Title: **Poultry Pathology**

Course Description: This is an online distance learning course intended to educate veterinarians on the pathology associated with viral, bacterial, parasitic, and toxicologic diseases of poultry.

Oasis Title: POUL PATHOLOGY

Nontraditional Format: The students will be reading online lectures in text, powerpoint presentations with written or audio explanation, or there will be voice recorded or video recorded lectures. They will then have assigned readings and discussion boards with other students in the class. The students will have to have internet access.

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 7320E.** 9 hours.

Course Title: **Poultry Immunology and Infectious Diseases**

Course Description: This is an online distance learning course designed to educate veterinarians regarding

Description: immunology and infectious diseases of poultry.

Oasis Title: AVIAN IMMUN INFECT

Nontraditional Format: The students will be reading online lectures in text, powerpoint presentations with written or audio explanation, or there will be voice recorded or video recorded lectures. They will then have assigned readings and discussion boards with other students in the class. The students will have to have internet access.

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 7330E.** 6 hours.

Course Title: **Poultry Food Safety Epidemiology**

Course Description: This is an online distance learning course intended to educate veterinarians regarding the epidemiology of salmonella and campylobacter in poultry production.

Oasis Title: POULT FOOD EPI

Nontraditional Format: The students will be reading online lectures in text, powerpoint presentations with written or audio explanation, or there will be voice recorded or video recorded lectures. They will then have assigned readings and discussion boards with other students in the class. The students will have to have internet access.

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 7414L.** 3 hours. 6 hours lab per week.

Course Title: **Poultry Practicum I - Poultry Husbandry**

Course Description: This is a mentored, directed study course for veterinarians focusing on poultry medicine. Student will, with major professor input, select a husbandry problem to address in a poultry industry farm setting.

Oasis Title: POULT PRACTICUM I

Semester Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 7418L.** 3 hours. 6 hours lab per week.

Course Title: **Poultry Practicum II - Management of Disease**

Course Description: This is a mentored, directed study course for veterinarians focusing on poultry medicine. Student will, with major professor input, select a disease problem to address in a poultry industry farm setting.

Oasis Title: POULT PRACTICUM II
Course Offered: Offered fall, spring and summer semester every year.
Grading System: A-F (Traditional)

Course ID: **POPH 7420E.** 6 hours.

Course Title: **Poultry and Public Health Issues Impacting International Trade**

Course Description: This is an online distance learning course intended to educate veterinarians on the significant poultry health, disease control, and public health issues affecting export and import of poultry.

Oasis Title: TRADE ISSUES

Nontraditional Format: The students will be reading online lectures in text, powerpoint presentations with written or audio explanation, or there will be voice recorded or video recorded lectures. They will then have assigned readings and discussion boards with other students in the class. The students will have to have internet access.

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 7421E.** 3 hours.

Course Title: **Economics of Poultry Production**

Course Description: This is an on-line distance learning course intended to educate veterinarians regarding poultry health and production economics.

Oasis Title: POULT PROD ECON

Semester Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 7422E.** 3 hours.

Course Title: **Poultry Disease Prevention Programs**

Course Description: This is an on-line distance learning course intended to educate veterinarians regarding poultry disease prevention and preventative medicine.

Oasis Title: POUL DIS PREVENTION

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 7513L.** 3 hours. 6 hours lab per week.

Course Title: **Poultry Practicum III - Preventative Medicine**

Course Description: This is an online distance learning course intended to educate veterinarians regarding application of preventative medicine to their country's specific poultry production system.

Oasis Title: POULT PRACTICUM III

Nontraditional Format: The students will be reading online lectures in text, powerpoint presentations with written or audio explanation, or there will be voice recorded or video recorded lectures. They will then have assigned readings and discussion boards with other students in the class. The students will have to have internet access.

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 7517L.** 3 hours. 6 hours lab per week.

Course Title: **Poultry Practicum IV - International Trade Issues**

Course Description: This is an online distance learning course intended to educate veterinarians regarding specific international trade and public health issues important for import/export of poultry for their home country.

Oasis Title: POULT PRACTICUM IV

Nontraditional Format: The students will be reading online lectures in text, Power Point presentations with written or audio explanation, or there will be voice recorded or video recorded lectures. They will then have assigned readings and discussion boards with other students in the class. The students will have to have internet access.

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 7610E.** 3 hours.

Course Title: **Poultry Routine Health Surveys**

Course Description: This is an on-line distance learning course intended to educate veterinarians regarding the use of routine health surveys to evaluate poultry production profitability.

Oasis Title: POUL HEALTH SURVEYS

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 7612L.** 3 hours. 6 hours lab per week.

Course Title: **Poultry Practicum V - Production Economics and Financial Analysis**

Course Description: This is an online distance learning course intended to educate veterinarians on the application of health and economic surveys to improve poultry production efficiency and profitability.

Oasis Title: POULT PRACTICUM V

Nontraditional Format: The students will be reading online lectures in text, Power Point presentations with written or audio explanation, or there will be voice recorded or video recorded lectures. They will then have assigned readings and discussion boards with other students in the class. The students will have to have internet access.

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 8050.** 3 hours.

Course Title: **Avian Virus Diseases**

Course Description: The serological and virological methods used to isolate and identify avian viruses of economic importance. Cell culture systems are prepared and infected with different viruses to observe their effect. Specific projects are undertaken to familiarize the student with current virological techniques.

Oasis Title: AVIAN VIRUS DIS

Duplicate Credit: Not open to students with credit in AVMD 8050

Nontraditional Format: Class will convene on Mondays, Tuesdays, Wednesdays, and Fridays.

Prerequisite: Permission of department

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 8050L.** 1 hour. 1-4 hours lab per week.

Course Title: **Avian Virus Diseases Laboratory**

Course Description: Laboratory to be taken in conjunction with Avian Virus Diseases. The laboratory will apply techniques discussed in lecture to identify viruses of importance to poultry.

Oasis Title: AVIAN VIRUS LAB

Duplicate Credit: Not open to students with credit in AVMD 8050L

Nontraditional Format: Class will convene on Mondays, Tuesdays, Wednesdays, and Fridays.

Pre or Corequisite: AVMD 8050

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 8110.** 3 hours. 9 hours lab per week.

Course Title: **Problems in Poultry Diseases and Parasites**

Course Description: Students work intensively on approved problems in the field of poultry health after selection of the specialized area with the appropriate staff member.

Oasis Title: PROBLEMS IN POULTRY

Duplicate Credit: Not open to students with credit in AVMD 8110

Prerequisite: Permission of department

Course Offered: Offered summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 8120.** 1 hour.

Course Title: **Poultry Nutrition for Masters in Avian Medicine**

Course Description: The practical aspects of poultry nutrition, nutritional programs, and their relationship with disease problems.

Oasis Title: POULTRY NUTRITION

Duplicate Credit: Not open to students with credit in POUL 8150

Prerequisite: Permission of department

Course Offered: Offered summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 8150.** 1 hour. Repeatable for maximum 3 hours credit.

Course Title: **Avian Medicine Seminar**

Course Description: Presentation and discussion of current diagnostic cases and research activities in the area of avian medicine.

Oasis Title: AVIAN MED SEMINAR

Duplicate Credit: Not open to students with credit in AVMD 8150

Prerequisite: Permission of department

Course Offered: Offered fall and spring semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 8160.** 3 hours.

Course Title: **Scientific Manuscript Writing**

Course Description: Scientific writing techniques, literature retrieval skills, data analysis, and manuscript formatting are utilized in the development of a publishable manuscript to improve students written communication skills. Data obtained during "Problems in Poultry Diseases and Parasites" is expected to be used as subject matter for manuscript writing.

Oasis Title: MANUSCRIPT WRITING

Duplicate Credit: Not open to students with credit in AVMD 8160

Prerequisite: AVMD 8110

Course Offered: Offered summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH(IDIS)(MIBO) 8200.** 5 hours.

Course Title: **Molecular Virology and Experimental Design**

Course Description: Molecular techniques to study viruses of veterinary importance.

Oasis Title: MOLVIROL

Duplicate Credit: Not open to students with credit in MMIB 8200

Prerequisite: IDIS 4220/6220 and BCMB 4020/6020

Pre or Corequisite: POPH(MIBO) 4650/6650

Course Offered: Offered spring semester every year.

Grading System: A-F (Traditional)

Course ID: **VPAT(POPH) 8220.** 3 hours. 9 hours lab per week.

Course Title: **Avian Histopathology**

Course Description: Detailed microscopic studies will be made of avian tissues and the effects of specific diseases and their processes on them. A working knowledge of tissue processing and differential staining will be included.

Oasis Title: AVIAN HISTOPATH

Prerequisite: Permission of department

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 8230.** 2 hours. Repeatable for maximum 8 hours credit.

Course Title: **Special Topics in Population Health**

Course Description: Presentation and discussion of published research and new research developments.

Oasis Title: SPEC TOPICS POPH

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 8240L.** 3 hours. 9 hours lab per week.

Course Title: **Histopathology for Poultry Medicine Residents**

Course Description: Microscopic studies will be made of poultry and gamebird tissues to examine the effects of specific diseases and their processes. Interpretation and application of histopathology in disease diagnosis and confirmation will be emphasized.

Oasis Title: HISTO POULT MED

Duplicate Credit: Not open to students with credit in VPAT(POPH) 8220

Prerequisite: Permission of department

Course Offered: Offered fall semester every year.

Grading System: A-F (Traditional)

Course ID: **POPH 8300.** 3 hours.

Course Title: **Biology and Care of Laboratory Animals**

Course Description: Students will study the normal biology and humane care of laboratory animal species. Anatomy, physiology, genetics, behavior, and nomenclature for typical species will be presented. Animal husbandry techniques, their appropriate application, and species-specific husbandry considerations will be covered.

Oasis Title: BIO CARE LAB ANIM

Prerequisite: Permission of department

Course Offered: Not offered on a regular basis.

Grading System: A-F (Traditional)

Course ID: **POPH 8310L.** 3 hours. 4 hours lecture and 2 hours lab per week.

Course Title: **Population Health Statistics I**

Course Description: Analysis of data from clinical, laboratory, and population medicine: descriptive statistics; probability; binomial, Poisson, normal, t-, and chi-square distributions; confidence intervals; one- and two-sample hypothesis testing; basic nonparametric tests; power and sample size calculations; simple linear regression and correlation. Computing applications will utilize menu-driven software.

Oasis Title: POP HEALTH STAT I

Duplicate Credit: Not open to students with credit in STAT 6210 or STAT 6310 or BIOS 7010

Course Offered: Offered summer semester every odd-numbered year.

Grading System: A-F (Traditional)

Course ID: **POPH 8320L.** 4 hours. 3 hours lecture and 2 hours lab per week.

Course Title: **Population Health Statistics II**

Course Description: Continuation of Population Health Statistics I. Analysis of variance: completely randomized design; randomized complete block; repeated measures; factorial designs; nonparametric alternatives. Multivariable modeling: multiple linear regression; logistic regression; survival analysis using Kaplan- Meier and Cox models. Computing applications will utilize menu- driven software.

Oasis Title: POP HEALTH STAT II

Duplicate Credit: Not open to students with credit in STAT 6220 or STAT 6320 or BIOS 7020

Prerequisite: POPH 8310L or permission of department

Course Offered: Offered fall semester every odd-numbered year.

Grading System: A-F (Traditional)

Course ID: **POPH 8580.** 1 hour. Repeatable for maximum 5 hours credit. 2 hours lab per week.

Course Title: **Current Topics in Wildlife Health**

Course Description: Ongoing disease investigations, research, and wildlife health issues will be reviewed and discussed weekly.

Oasis Title: WILDLIFE HEALTH

Duplicate Credit: Not open to students with credit in PARA 8580 or IDIS 8580

Nontraditional Format: Students will participate in the discussion, review assigned publications, and may be asked to report further information to the group at the next session.

Prerequisite: Permission of department

Course Offered: Offered fall, spring and summer semester every year.

Grading System: S/U (Satisfactory/Unsatisfactory)

Course ID: **POPH 8900.** 1-6 hours. Repeatable for maximum 12 hours credit.

Course Title: **Problems in Population Health**

Course Description: Intensive study, under the direction of faculty, on management approaches and current issues in the diagnosis of disease and health maintenance of domestic and wild animal populations.

Oasis Title: PROB POP HEALTH

Course Offered: Offered fall, spring and summer semester every year.

Grading System: A-F (Traditional)

Please see the schedule of classes at <http://www.reg.uga.edu/schedule-of-classes> for the name of the instructor, the location(s)/ time(s) class meets.