Advanced Disease Management
AGRI 5350
Department of Agriculture
Stephen F. Austin State University
Spring 2024

Professor: Dr. John Michael Mehaffey

Telephone: (936) 468 – 4319 Office
(936) 468 – 3705 Department

E-mail: mehaffeyjm@sfasu.edu

Office: Room 103

Office Hours: Monday & Wednesday 8-10:00; 11-12; 1-3 pm
Tuesday & Thursday 8-9:30 am
Friday By appointment only

Lecture: M 3:00 – 5:30 pm Room: 115 AG

Text: None required (see recommend references below)

5. Anatomy and Physiology of Farm Animals. 7th Ed. R.D. Frandson, W.L. Wilke, & A.D. Fails.

Description: Three-hour lecture per week. In-depth look into diseases and management practices associated with the prevention, control, and treatment of disease in domestic livestock and poultry. Study of infectious organisms, metabolic disorders, the role of anatomy and physiology in the diagnosis of disease.

Program Learner Outcomes:

1. Technical Thinking - The student will demonstrate competence of technical subject matter in poultry sciences.
2. Communication Skills - The student will demonstrate effective oral and written communication skills.
3. Leadership Skills - The student will exhibit leadership and other interpersonal skills needed for career placement and advancement.
4. Problem Solving Skills - The student will exhibit problem solving skills based on quantitative and analytical reasoning.
5. Critical Skills - The student will demonstrate knowledge of poultry production facilities.
**Student Learner Outcomes:** none associated with this course.

**Grading Policy:**

**Lecture:**
- 3 Major Exams.........................300 pts. \( A = 850 - 765 \)
- Comprehensive Final Exam...........100 pts. \( B = 764 - 680 \)
- Outside Assignments...............250 pts. \( C = 679 - 595 \)
- Presentation..........................100 pts. \( D = 594 - 510 \)
- Term Paper............................. 100 pts.

Total pts................................. 850 pts.

**Major Exams & Comprehensive Final Exam:** All exams will to closed book and the final exam will be comprehensive. Each major exam will consist of a series of exam questions related to the information discussed in lecture from the identified sections outlined under “Tentative Lecture Outline” (see below). Exams will be comprised from a variety of short answer, essay, and labeling questions. All information discussed in lecture will be applicable for the comprehensive final exam. If you know in advance that you are going to miss an exam, please let me know as soon as possible. In case of an emergency, you or someone you know should contact me as soon as possible (refer to the top for contact info.). Only excusable or legitimate excuses will allow you to makeup the missed exam. The validity of the excuse will be determined by the instructor before the makeup exam will be scheduled. **All makeup exams will be made up within one week of the missed exam date.** All students will be required to take the comprehensive final exam scheduled on **Monday, May 6, 2024 from 3:00 am to 5:30 pm.**

**Outside Assignments:** Five outside assignments will be assigned throughout the semester. Each assignment will consist of an assigned recommended reading with a series of corresponding questions to be answered or a list of important definitions. Each assignment will be worth a total of 50 points. Due dates will be assigned when the assignment is given.

**Presentation:** Each student will be required to present a topic dealing with disease management to the class. Further guidelines will be given at a later date.

**Term Paper:** Each student will be required to write one term paper related to a subject dealing with disease management. The term paper will consist of an introduction (background info.), body (explain the subject matter, importance, etc.), and conclusion. The term paper will be typed in 12 pt. font, double-spaced, with 1 inch margins and will be a minimum of 10 pages. Pictures, illustrations, graphs and figures that are important and pertain directly to the subject matter can be used and are encouraged; however they will not count towards the 10 page written text minimum. You will have the majority of the semester to work on this paper, so use your time wisely.

**ATTENDANCE AND PUNCTUALITY POLICY**

Attendance and punctuality are core skills to have as an engaged student and for a successful career. Therefore, all agriculture faculty have adopted the following policy for unexcused absences.

Excuses can either be provided as hard copy or electronically. **Documentation for excused absences is due within 10 days of the absence,** and no documentation from previously missed classes will be accepted past the Friday before finals at 5 PM.

For reference, below are examples of excused absences.
1. Approved university activities (require documentation from sponsor and advanced notice, see below)
2. Death or major illness of an immediate family member (requires documentation and notice as soon as possible)
3. Major illness of yourself (requires a doctor’s note).
If you miss class for any other reason and feel your absence should be excused, you must provide me with a typed memo explaining why the absence should be excused and provide appropriate documentation. This memo must be provided within one week of the absence. All other absences are considered unexcused.

**Punctuality Policy**

All ag faculty take attendance at the beginning of their classes. Tardy attendance will be counted as unexcused absences at the discretion of the professor.

**Academic Integrity (4.1)**

*The Code of Student Conduct and Academic Integrity* outlines the prohibited conduct by any student enrolled in a course at SFA. It is the responsibility of all members of all faculty, staff, and students to adhere to and uphold this policy.

Articles IV, VI, and VII of the new Code of Student Conduct and Academic Integrity outline the violations and procedures concerning academic conduct, including cheating, plagiarism, collusion, and misrepresentation. Cheating includes, but is not limited to: (1) Copying from the test paper (or other assignment) of another student, (2) Possession and/or use during a test of materials that are not authorized by the person giving the test, (3) Using, obtaining, or attempting to obtain by any means the whole or any part of a non-administered test, test key, homework solution, or computer program, or using a test that has been administered in prior classes or semesters without permission of the Faculty member, (4) Substituting for another person, or permitting another person to substitute for one’s self, to take a test, (5) Falsifying research data, laboratory reports, and/or other records or academic work offered for credit, (6) Using any sort of unauthorized resources or technology in completion of educational activities.

Plagiarism is the appropriation of material that is attributable in whole or in part to another source or the use of one’s own previous work in another context without citing that it was used previously, without any indication of the original source, including words, ideas, illustrations, structure, computer code, and other expression or media, and presenting that material as one’s own academic work being offered for credit or in conjunction with a program course or degree requirements.

Collusion is the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any provision of the rules on academic dishonesty, including disclosing and/or distributing the contents of an exam.

Misrepresentation is providing false grades or résumés; providing false or misleading information in an effort to receive a postponement or an extension on a test, quiz, or other assignment for the purpose of obtaining an academic or financial benefit for oneself or another individual or to injure another student academically or financially.

**Withheld Grades Semester Grades Policy (5.5)**

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the coursework because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course to compute the grade point average. For additional information, go to https://www.sfasu.edu/policies/course-grades-5.5.pdf.

**Students with Disabilities**

To obtain disability-related accommodations, alternate formats, and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services promptly may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/.
Student Wellness and Well-Being
SFA values students’ overall well-being, mental health and the role it plays in academic and overall student success. Students may experience stressors that can impact both their academic experience and their personal well-being. These may include academic pressure and challenges associated with relationships, emotional well-being, alcohol and other drugs, identities, finances, etc.
If you are experiencing concerns, seeking help, SFA provides a variety of resources to support students’ mental health and wellness. Many of these resources are free, and all of them are confidential.

On-campus Resources:
The Dean of Students Office (Rusk Building, 3rd floor lobby) www.sfasu.edu/deanofstudents
936.468.7249
dos@sfasu.edu
SFA Human Services Counseling Clinic Human Services, Room 202 www.sfasu.edu/humanservices/139.asp
936.468.1041

The Health and Wellness Hub “The Hub”
Location: corner of E. College and Raguet St.
To support the health and well-being of every Lumberjack, the Health and Wellness Hub offers comprehensive services that treat the whole person – mind, body and spirit. Services include:
- Health Services
- Counseling Services
- Student Outreach and Support
- Food Pantry
- Wellness Coaching
- Alcohol and Other Drug Education
www.sfasu.edu/thehub
936.468.4008
thehub@sfasu.edu

Crisis Resources:
- Burke 24-hour crisis line: 1.800.392.8343
- National Suicide Crisis Prevention: 9-8-8
- Suicide Prevention Lifeline: 1.800.273.TALK (8255)
- Crisis Text Line: Text HELLO to 741-741

**Disclaimer:** The instructor reserves the right to change the syllabus and requirements for this course as the semester progresses. You will be notified of any changes as they may occur.
<table>
<thead>
<tr>
<th>Date</th>
<th>Lecture Topic</th>
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<tbody>
<tr>
<td>Jan 22</td>
<td><strong>Introduction &amp; Course Information, What is Disease?:</strong></td>
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<tr>
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<td>- Discuss the description and goals for the course, entire syllabus, and answer questions regarding objectives, assignments, &amp; exams.</td>
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<td>- Introduction of disease terminology, causative-agents of disease, infection and disease management.</td>
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<td>Jan 29</td>
<td><strong>Disease Prevention through Antimicrobial Therapy and Vaccination:</strong></td>
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<td>- Principles and practical uses of antimicrobial therapies.</td>
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<td>- Use of vaccination for disease prevention.</td>
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<td>Feb 5</td>
<td><strong>Diseases of the Cardiovascular System:</strong></td>
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<td>- Overview of anatomy and physiology of the cardiovascular system.</td>
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<td>- Discussion of important diseases affecting the cardiovascular system.</td>
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<td>Feb 12</td>
<td><strong>Exam #1:</strong></td>
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<td>- Exam will cover information from What is Disease?: Disease Prevention through Antimicrobial Therapy and Vaccination &amp; Diseases of the Cardiovascular System.</td>
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<td>Feb 19</td>
<td><strong>Diseases of the Blood and Blood-forming Organisms:</strong></td>
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<td>- Overview of anatomy and physiology of the blood and associated fluids.</td>
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<td></td>
<td>- Discussion of important diseases affecting the blood and associated fluids.</td>
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<td>Feb 26</td>
<td><strong>Diseases of the Respiratory System:</strong></td>
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<td>- Overview of anatomy and physiology of the respiratory system.</td>
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<td>- Discussion of important diseases affecting the respiratory system.</td>
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<td>March 4</td>
<td><strong>No Class</strong> (Dr. Mehaffey returning from Houston)</td>
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<td>March 11</td>
<td><strong>SPRING BREAK</strong></td>
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<td>March 18</td>
<td><strong>Diseases of the Musculoskeletal System:</strong></td>
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<td></td>
<td>- Overview of anatomy and physiology of the musculoskeletal system.</td>
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<td></td>
<td>- Discussion of important diseases affecting the musculoskeletal system.</td>
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<td>March 25</td>
<td><strong>Exam #2:</strong></td>
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<td>- Exam will cover information from Diseases of the Blood and Blood-forming Organisms, Respiratory, &amp; Musculoskeletal Systems.</td>
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<td>April 1</td>
<td><strong>Diseases of the Integumentary System:</strong></td>
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<td>- Overview of anatomy and physiology of the integumentary system.</td>
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<td>- Discussion of important diseases affecting the integumentary system.</td>
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<td>April 8</td>
<td><strong>Diseases of the Alimentary Canal:</strong></td>
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<td>- Overview of anatomy and physiology of the alimentary canal.</td>
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<td>- Discussion of important diseases affecting the alimentary canal.</td>
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<td>April 15</td>
<td><strong>Exam #3:</strong></td>
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<td>- Exam will cover information from Diseases of the Integumentary System &amp; Alimentary Canal.</td>
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April 22  Presentation Preparation

April 29  **Presentations:**
          - Student Presentations.

May 6     **Final Exam**
          - Comprehensive examination of all topics covered.