AGR 338 FALL – 2007

COLLEGE OF EDUCATION AND APPLIED SCIENCE
Course Description

DEPARTMENT: Agricultural Sciences

COURSE NUMBER / TITLE: AGR 338 – Game Animal Production

INSTRUCTOR: Doug Ullrich, Associate Professor
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MEETING TIME: THOM 320 – May 12 – 31 8:00 a.m. – 12:00 noon

TEXT: Lab Manual

COURSE OBJECTIVES:

A study of contemporary issues in agriculture, management of natural resources and urban environments such that biodiversity is maintained. Topics include alternative agricultural practices and resource economics, urban sprawl, animal and plant identification, resource allocation, the ethical and econmical considerations of wildlife and fisheries management, habitat alteration and renewal, world bioregions and commercialization of wildlife and plant species. This course focuses on sustainable and profitable management of natural resources.

Objectives:

1. Discuss factors involved in evaluating and allocating resources.
2. Demonstrate skills involving the ecological, economical and aesthetic benefits of natural resources, urban environments and agricultural production economics.
3. Develop an understanding of natural, urban and agricultural resource management and mutually beneficial economic interaction.
4. Recognize the laws, rules, regulations and agencies that work to protect and manage natural resources.
5. Explain the relationships between natural, urban and agricultural resources.
6. Identify and discuss the various animals considered to be game, non-game, exotic, endangered, threatened, protected, predator, pest and nuisance animals and plant species.
7. Discuss issues concerning wildlife and fish populations and their management.
8. Determine appropriate practices for sustainable natural resource management.
9. Discuss recreational, agricultural and commercial game and fish enterprises.
10. Discuss habitat alteration, habitat fragmentation and reforestation programs.
11. Discuss natural resource management in the urban environment.
12. Examine geography and bioregions in the world, North America and Texas.

COURSE REQUIREMENTS: Each student is expected to participate in class activities and discussions. Assigned papers are expected to be neat as well as mechanically and grammatically correct. Also, creativity, innovativeness, evidence of thinking and internalization of the subject matter and professionalism exhibited by the student are important. ALL ASSIGNMENTS WILL BE TYPED unless otherwise specified. Assignments will be handed in at the beginning of the class period on the date due. Late assignments will be assessed a 10% penalty.

A MISSED QUIZ CANNOT AND WILL NOT BE MADE UP.

ATTENDANCE POLICY: It is an essential trait of the professional to recognize the necessity of being punctual and prepared. Your future relies not only upon your academic dedication but also to the professionalism you exhibit. DO NOT BE LATE AND DO NOT MISS A CLASS!!! If you miss class for any reason you must meet with the teacher on an individual basis.

Grading System	Points
Lab #1 – Bullion Pond Management Plan	**100**
Lab #2 – Gibbs Ranch Pond Management Plan	**100**
Lab #3 – Deer Aging Lab	**25**
Lab #4 – Deer Census Demonstration	**25**
Lab #5 – Group Deer Census of Gibbs Ranch	**100**
Lab #6 – Exotics Field Trip Paper – Individual Paper	**50**
Exam #1	**100**
Exam #2	**100**
Exam #3	**100**
FINAL EXAM	**300**
Absences [-100 points each]	
Late / Tardy [-25 points each]	
Early Departure [-25 point each]	
TOTAL	**1000**

A= 900 – 1000 B= 800-899 C=700-799 D=600-699 F=<600

AGR 496B/338 – DRAFT SCHEDULE

August 23 Thursday	Introduction – Syllabus Review History and Introduction to Wildlife Management Wildlife Management: WMA's, Habitat, Edge Effects Livestock Management and the Environment Riparian Management Forest Management Wildlife Plant Identification > Review from Forages
August 30	Pond Management in the South
Sept 6	LAB #1 – Field Trip to Bullion Pond Fish Aging Demonstration
Sept 13	Present findings Video Day – Introduction to Water Quality Testing (34 min) Warmwater Finfish: Harvesting, Handling and Transportation (30 min) Channel Catfish Spawning and Hatchery Management (17 min) Catfish Farming in the South (23 min) Baitfish Culture in the South (30 min) A.E. Wood Fish Hatchery (35 min) [if time permits] Discuss LAB #2
Sept 20	LAB #2 – Field Trip to Gibbs Ranch
Sept 27	LAB #2 Continued – Field Trip to Gibbs Ranch
Sept 27	Present finding from LAB#2 EXAM #1 [100 pts]

Oct 4	Game Animals in Texas Introduction to White-tailed Deer **Meet at Gibbs Ranch at 7:00 PM** LAB #3 Deer Aging Demonstration in Classroom Night Deer Census LAB #4– {bring spotlights} Night Deer Census Group Assignment LAB #5
Oct 11	Video Day – Food Plots and Supplemental Feeding Aging and Judging Trophy Whitetails Record Keeping Scoring Trophy Whitetails
Oct 18	Discuss Deer Census Preliminary findings EXAM #2 [100 pts] Introduction to Upland Game Birds
Oct 25	Field Trip – somewhere?? LAB #
Nov 1	Upland Game Birds Continued Management of Quail, Dove, Turkey, Chukar, Pheasant Videos - Managing the Bobwhite Spring 1 Managing the Bobwhite Spring 2 Managing the Bobwhite Summer Managing the Bobwhite Fall and Winter LATE DAY - Stay until we are finished
Nov 8	Migratory Waterfowl Waterfowl Egg Production Ducks Unlimited Overview Video - Waterfowl
Nov 15	Diseases and Parasites of Wildlife Green Payments Geographic Approach to Planning
Nov 22	THANKSGIVING HOLIDAY
Nov 29	EXAM #3 [100 pts]
Dec 6	Catch-up Day Review for Final
Dec 11	FINAL 2-4 {300 points}

LAB #1 – Bullion Pond Data Collection – 1 Group Portfolio [100 pts]
Each group will submit a full pond evaluation, including:
-Diagrams illustrating pond size, dam, spillway, depths and structure.
-Show calculations and illustrate pond water volume and surface acres.
-Description of fish species available. (Sample survey of fish is not necessary)
Gather this information from interview with Jacob Bullion.
-Collect and identify 10 plants in pond and 5 in watershed.
-Write brief history of pond from interview with land owner including pond age, past stocking of fish, fish numbers stocked, types of fish stocked.
-Develop a pond management plan.
-Be prepared to give a 10 minute group presentation concerning the group findings.

LAB #2 – Gibbs Ranch Pond – 1 Group Portfolio [100 pts]
Each group will use a designated pond and submit a full pond evaluation, including:
-Diagrams illustrating pond size, dam, spillway, depths and structure.
-Show calculations and illustrate pond water volume.
-Description of fish species available from fish sample survey data.
-Collect and identify 10 plants in pond and 15 in watershed.
-Test water samples for pH, DO, etc. and develop brief on findings.
-Add and photographically document the addition of at least 2 new structures to pond.
-Document process in a power point presentation using pictures.
-Develop a pond management plan.
-Be prepared to give a 10 minute group presentation concerning the group findings.

LAB #3 – Deer Aging – Individual Assignment [25 pts]
-Participation lab practicing again.

LAB #4 – Deer Census of Gibbs Ranch Intro. – Individual Assignment [25 pts]
-Participation lab practicing census technique.

LAB #5 – Deer Census of Gibbs Ranch – Group Portfolio [100 pts]
-Each group will have a different night of the week to conduct a census.
-Data will be properly collected and documented.
Monday group – Oct 8th, 15th, 22nd, 29th
Tuesday group – Oct 9th, 16th, 23rd, 30th
Wednesday group – Oct 10th, 17th, 24th, 31st
Thursday group – Oct 11th, 12th, 19th, 25th
-Prepare a document illustrating group census findings
-Prepare a document illustrating participation of each group member

LAB #6 - Field Trip – Individual Paper
Write a 5 page typed paper concerning the topic (exotic animals). Topics will be selected during the field trip.