AG 240-- PRINCIPLES OF ANIMAL NUTRITION WINTER 2007

Lecture 10:10-11:05 M, W, F 710 Berndt Hall		Laboratory -	9-12 am Thurs 710 Berndt Hall					
Instructor -	Instructor - Beth LaShell 730 Berndt Hall 247-7189 or lashell_b@fortlewis.		Office Hours - 7:30-9:30 MWF or by appointment					
Required Text: Animal Feeds, Feeding and Nutrition, And Ration Evaluation by David Tisch								
Optional Text		ock Feeds and Feeding (5th ed.) by Feeding and Nutrition by Jurgens	Kellems and Chur	rch				
Course Objecti	ve -			s it relates to anatomy, nutrients, and feedstuffs. ancing skills and general livestock feeding				
Lecture Outline								
<u>Topics</u>			Text Reading					
	Introduc							
Digestive Tract Anatomy Microbial Fermentation			Ch. 2 and Lectures Lectures					
Nutrients			Ch. 6-11 and lectures					
Trutter		; Protein -7; Fats-8; Vitamins-9; Mi						
Evaluat	tion of fe		Ch. 3 & 4					
	Systems		Ch 5					
Concentrates/High energy			Ch. 6					
	sources		Ch. 7					
Vitamin and Mineral supplements			Ch. 9-10					
Feed additives, preparation and processing			Ch. 3 & 13					
Ration Formulation			Ch. 12					
Livesto		ng Guidelines	2) $G_{}$	Devilter $(2(27))$ Harrow (24.25)				
Cattle (16-18), Sheep (20-21) Goats (22-23), Swine (14-15), Poultry (26-27), Horses (24-25)								
Laboratory Topics/Activities -								
Anatomy of ruminant and non-ruminant digestive tracts								
Feed terminology, identification and classification								
Laboratory analysis of feedstuff								
Livestock ration formulation								
Computer applications for Animal Nutrition								
Practical application of nutrition principles (field trips)								
Grading								
	100 noin	t) 1-hour exams		300				
	· •	ast exam will be during Finals Sche	eduled time					
Six (20 point) quizzes in lecture and lab (drop lowest quiz) 100								
Laboratory								
		ance and participation		100				
Worksł	heets and	homework (lecture and lab)		<u>150</u>				
		TOTAL POINTS		650				
A = > 94% B= 85-93% C= 75-84% D= 65-75% F= < 65%								
Class Policies:								
There will be no makeup quizzes.								
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- Exams can only be made up if arrangements have been made <u>prior to day of test</u>. You are expected to remain current on your reading and hand in assignments on time (points will be deducted ٠ for late homework)

NAME				
FLC ADDRESS				-
PHONE				-
YEAR IN SCHOOL		_	MAJOR	
HOME STATE				
What species of livested			Horses Other (please list)	
How would you descri	ibe your Computer/	Internet ex	perience?	
None	Some		A fair amount	_ Extensive
Which of the following	g courses <u>that you h</u>	nave taken:		
Ag 101- Intro	to Animal Science			
College algeb	ra			
Chemistry				
Crops				
Forages				

List any other courses that may be related to Animal Nutrition: