

Lecture	Date	Instructor	
			I. Introduction (Brown/Butler/Van Amburgh)
1	1/21/08	Butler & Van Amburgh	General scope of animal agriculture
2	1/23/08	Butler & Van Amburgh	
3	1/28/08	Brown	Evolution of modern production systems
4	1/30/08	Brown	Value of animals in various cultures and domestication
5	2/4/08	Brown	Animals and animal products as it relates to culture and food
6	2/6/08	Brown	Food and no-food uses of animals
			II. Linking Food Systems and Animal Biology (Butler/Giles/Van Amburgh)
7	2/11/08	Butler	Growth biology and meat and fiber (wool) production
8	2/13/08	Butler	
9	2/18/08	Giles	Reproductive biology and egg production
10	2/20/08	Giles	
11	2/25/08	Van Amburgh	Lactation biology and milk production
12	2/27/08	Van Amburgh	
			III. Animal Health and Well-being (Giles, et al.)
13	3/3/08	Gavalchin	What is a normal immune response? - Possibly ask Jerri Gavalchin - she did this lecture in 150
14	3/5/08	Guest Lecturer	How do vaccinations improve food safety? Working on getting someone out of the Vet School
15	3/10/08	Giles	What is the role of antibiotics in animal feed efficiency and health?
16	3/12/08	Cherney	How do animals respond to modern production systems - what is stress and how do we evaluate current production systems?
17	3/24/08	Giles & Van Amburgh	The use of hormones in animal production, how they work, why they work and why we use them - pros and cons.
			IV. Human Health (Lei)
18	3/26/08	Lei	What is the role of animal agriculture and animal products in reducing human disease?
19	3/31/08	Lei	Food safety and animal production - what are the links, where can it fall apart, how is it currently evaluated and managed?
20	4/2/08	Lei	What effect does antibiotic use in animals have on the human population?
21	4/7/08	Lei	What about hormones in milk and meat - good, bad or indifferent?
22	4/9/08	Lei	The use of animals as a biomedical model - how can we use animals to improve human health and well-being - what are the ethical issues?
			V. Animal Production and the Environment (Van Amburgh)
23	4/14/08	Van Amburgh	How have animal production systems evolved and how does that impact the environment?
24	4/16/08	Van Amburgh	Efficiencies of animal production - have we made progress and do those efficiencies reduce the environmental impact of animal production?
			VI. Business and Industry Interactions (Van Amburgh)
25	4/21/08	Van Amburgh	How do you make money in animal based agriculture?
26	4/23/08	Van Amburgh	What are the business challenges to animal agriculture?
27	4/28/08	Van Amburgh	What is an acceptable business model and what are the considerations for a successful business?
28	4/30/08	Van Amburgh	Biotechnology and the future of animal based food systems

Labs	Topics	Date	Instructor	
1 2	1	1/21/08 1/23/08	Butler & Van Amburgh	Scope of animal science
3 4	2	1/28/08 1/30/08	Brown	Productivity, efficiency, food availability and economic decision making in animal agriculture
5 6	3	2/4/08 2/6/08	Brown	Animal production & culture - how does culture influence animal production, food choices & resource use?
7 8	4	2/11/08 2/13/08		Field Trip (tentative) Cornell Animal Units?
9 10	5	2/18/08 2/20/08	TBA	Foot and mouth disease, BSE and other risk factors in animal agriculture
11 12	6	2/25/08 2/27/08	Brown	Food safety and animal products – E. coli and other animal related threats
13 14	7	3/3/08 3/5/08		Animal welfare and current production systems – what's good and what's not?
15 16	8	3/10/08 3/12/08	Van Amburgh	Field Trip (tentative) Cheese production or Taylors/Cargill Excel
17 18	9	3/24/08 3/26/08	Lei	Biotechnology and animal production – hormones versus organic - what's the difference?
19 20	10	3/31/08 4/2/08	Lei	Animal product consumption and human health – what are the risks and benefits?
21 22	11	4/7/08 4/9/08	Lei	Animals as biomedical models.
23 24	12	4/14/08 4/16/08	Van Amburgh	Field trip (tentative) Impact of animal production on the environment – resource allocation and evolution of the production system. Dairy Farm Tour - organic and "Factory"
25 26 27	13 14	4/21/08 4/23/08 4/28/08	Van Amburgh All	Profitability and economics of current animal production systems with emphasis on the Northeastern U.S. Biotechnology and animal food production - what is the future?