

Jordan University of Science and Technology

Faculty of Veterinary Medicine

Department of Veterinary Clinical Sciences

Electronic Farming (VM 564)

READING MATERIALS		
Text Book	<ul style="list-style-type: none"> • Otto M. Radostits. 3rd edition 2001, Herd Health Food Animal Production Medicine. • Dairy Production Medicine. Carlos A. Risco, Pedro Melendez Retamal. Published Online: 30 AUG 2011. • Radostits, et al., 10th edition 2007, Veterinary Medicine: A textbook of the diseases of Cattle, Sheep, Pigs, Goats and Horses • Bovine Medicine, Peter Cockcroft: 2015. 3rd Ed. Published online. 	
Additional Reading (Books)	<ul style="list-style-type: none"> • Howard J., 1998, Current Veterinary Therapy, Food animal practice • Smith B., 4th edition 2008. Large Animal Internal Medicine • American Journal of Veterinary Medical Association • Bovine Practitioner • Vet Clin North Am. Large animal practice • Veterinary Record • American Journal of Veterinary Research 	
Additional Reading (Journals)		
GRADING		
Exam	Expected Due Date	Weight
Assignments	End of each class	20
Midterm Exam	TBA	30
Evaluation	Every class	10

Final Exam	TBA	40
Total		100

COURSE DESCRIPTION

According to the “Food and Agriculture Organization” of the United Nations (FAO) e-agriculture involves the conceptualization, design, development, evaluation and application of innovative ways to use information and communication technologies (ICTs) in the rural domain, with a primary focus on agriculture. In 2008, the United Nations referred to e-agriculture as "an emerging field. E farming or electronic recordkeeping goes under the umbrella of e-agriculture.

The management and preservation of electronic records is essential for maintaining institutional accountability; protecting the rights of citizens, employees and customers; supporting the efficient operation of contemporary organizations; perpetuating valuable forms of social memory; and helping individuals to integrate aspects of the past into their sense of identity.

Current electronic recordkeeping is in a state of relative neglect. At their most basic level, therefore, in this course, we will begin by considering the messy recordkeeping environment in which we currently live. We will then gradually build up a set of concepts, tools and strategies that our students can use through their future career by using virtually web-based platforms.

COURSE OBJECTIVES

- Gain awareness of trends and practices in contemporary recordkeeping environments.
- Understand the nature of electronic records in different settings.
- Be aware of social, legal, and policy implications for individuals and organizations keeping records in electronic form.
- Be able to analyze a variety of problems related to electronic records and propose solutions that are appropriate in particular contexts.
- Understand the differences between recordkeeping systems and other types of information systems.
- Be able to evaluate the effectiveness of different approaches, methods, and technologies for managing electronic records.
- Be able to evaluate various electronic recordkeeping strategies.

COURSE EXPECTATIONS

- Complete readings BEFORE CLASS each week. Manage your time accordingly.
- Written work should be of high quality. If you have concerns about writing, address them early and often.

- Come to class on time
- Participate in discussions – counts as 20% of your total grade for the course
- Demonstrate that you have read the material, understood and synthesized it.
- Tell us when you do not agree. This is a discussion forum, not just a lecture session. No one in the room has a monopoly on correct answers. You are encouraged to question the assumptions of the readings, your instructors and your fellow students. Your comments should reflect mutual respect and should not attack individuals, but ideas are presented in order for you to analyze and critique them.

COURSE OUTLINES

Modules	Topic
1-2	• Introduction To Records Management
3	• Milk Production Monitoring
4-5	• Evaluating Reproductive Performance
6	• Transition Cow Performance Monitoring
7-8	• Mastitis Monitoring
9-10	• Heifer And Youngstock Management
11-12	• Managing Herd Health In Organic Herds