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| Advanced Dairy Management  |
| **ANIMAL AND VETERINARY SCIENCE**  |
| **SPRING SEMESTER 2022** |
| Instructors: Dr. Ahmadzadeh |
|   |  |  |  |
|  **Amin Ahmadzadeh, Ph. D.** | **amin@uidaho.edu** | **(208) 885-7409** | **Ag. Science. Bldg. #213B** |
| **Lecture: Tues. and Thur AG SCi 204, starting at 3:30 PM and 4:45 PM** |
| **Text: Handouts and article from Dairy Press** |
|  |  |  |  |  |
| **Date** |   | **Ch** | **Lectures** | **Tests and Quizzes** |
|  |  |  |  | Will be announced |
| ***Wk Jan 9th*** | R |  | Overview of the Course/Mastitis |  |
|  |  |  |  |  |
| Wk Jan 16th | T |  | Udder Health and Mastitis |  |
|  | R |  |  |  |
|  |  |  | Dairy Comp 305, Farm and Data analysis |  |
| Wk Jan 23nd | T |  | Factors influencing mastitis; prevention; control |  |
|  | R |  | Milking Management and Milking Parlor |  |
|  |  |  |  |  |
| Wk Jan 30th | ***T*** |  | Reproductive Management |  |
|  | R |  | Dairy Comp and Reproduction |  |
|  |  |  |  |  |
| ***Wk Feb 6th*** | T |  |  |  |
|  | R |  | Disease Assessment and Management |  |
|  |  |  | Trouble shooting and Farm/data evaluation |  |
| Wk Feb 13th | T |  | Nutrition |  |
|  | R |  |  |  |
|  |  |  |  |  |
| Wk Feb 20th | **T** |  | Trouble Shooting Nutrition and Feeding |  |
|  | R |  | Financial Bench Marks |  |
|  |  |  |  |  |
| Wk Feb 27th | ***T*** |  |  |  |
|  |  |  |  |  |
|  | R |  | Western Dairy Challenge |  |
|  |  |  |  |  |
| ***Wk March 6th*** | T |  |  |  |
|  | R |  | Trouble shooting, Farm/data analysis and evaluation |  |
|  |  |  |  |  |
| Wk March 13th | T |  | Spring Break |  |
|  | R |  |  |  |
|  |  |  |  |  |
| Wk March 20th | T |  | Analyzing Your Dairy Business |  |
|  | R |  | Systematic Approach to Using Bench Marks |  |
|  |  |  | National Dairy Challenge |  |
| Wk March 27st | T |  |  |  |
|  | R |  | Lameness and Locomotion  |  |
|  |  |  |  |  |
| ***Wk April 3rd*** | ***T*** |  |  |  |
|  | R |  |  |  |
|  |  |  |  |  |
| Wk April 10th | T |  |  |  |
|  | R |  |  |  |
|  |  |  |  |  |
| Wk April 17th  | T |  |  “ |  |
|  | R |  | Bring everything together“ |  |
|  |  |  |  |  |
| Wk April 24th |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |
|  |  |  |  |
| Home works (8) Field trips and PresentationsQuizzesFinal ExamTotal | = 100 points = 150 points= 50 points**=** 100 points**= 400 points** |  |

**Course Learning Objectives and Outcomes:**

Gain knowledge and training in dairy farm business management to optimize dairy cattle performance and well-being, and improve efficiency, utilizing filed trips, electronic data, computer software, popular press, and scientific literature.

Emphasis is made on relationships of enterprises and techniques for evaluation of business alternatives, efficiency of production, and profit.

Upon successful completion of AVS 475, you will be able to:

1. Engage in development, function, and use of dairy information systems including computerized performance testing programs for dairy cattle improvement and dairy herd management.
2. explain/discuss in detail about udder health, mastitis, and mastitis management
3. explain/discuss in detail the reproductive efficiency and management of dairy herd s and of reproductive inefficiency on economy of dairy farms
4. explain and discuss nutrition management and trouble shoot nutrition, feeding, and metabolic disorder of dairy farms
5. explain the bench marks for the various aspects of dairy business including the financial indices

***Field trips and presentation:***

Three field trips designed to evaluate different management practices on commercial dairies are **REQUIRED** for the course**. One short field trip is scheduled to evaluate WSU or UI Dairy Center in January another one is scheduled for first week of Feb 5th and the other on is TBA for March.** We will depart early in the morning and return in the early evening. An attire of old clothes and boots are recommended. Students will be formed to evaluate each dairy enterprise and develop an outline describing the strengths and weaknesses of the assigned operation and provide sound solutions for the weak areas of the management. Each team must prepare a 20-30 minute presentation that has to be presented to the instructors. The time and the place of the presentations will be arranged.

**ATTENTION: The field trip is mandatory and required. If students cannot attend the field trip, they must notify the instructor(s) in advance by January 23rd. Students not participating in the field trip will be given other assignments to ensure that they receive a similar educational experience.**