



ONLINE INTRODUCTION TO Cow/Calf Nutrition Home Study Course

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Course Website: All course materials and discussion boards will be posted on the course Moodle site. <https://ay16.moodle.umn.edu/course/view.php?id=8098>

Course Description: The Online Introduction to Cow/Calf Nutrition Course is a semi self-paced course designed to offer an introduction to the principles of nutrition with a focus on application to cow/calf production. Practical strategies for feeding through all phases of cow/calf production are emphasized.

Course Goals and Objectives:

By the end of the course, participants should have a basic understanding of cow/calf nutrition. This includes:

1. Knowledge of the components of the digestive tract and their basic functions
2. Be able to read a feed label and nutritional analysis report
3. Be able to determine the relative value of feedstuffs based on their nutritional profile
4. A basic understanding of grazing management
5. Develop feeding strategies for all stages of production

Course Structure: The bi-weekly lesson and additional handouts will be posted on the Moodle site by noon on the release date. Materials posted will aid in preparation for the quizzes. Discussion will be used to further explore certain topics and will allow for learning among peers, to earn a certificate participants must participate in a bi-weekly discussion forum. This course is self-paced within lesson, meaning that in order to receive a certificate of completion the follow up quiz for each lesson must be completed within the two weeks allotted for each lesson.

If a certificate is not wanted, participants are not required to participate in the discussion forum or complete quizzes.

Course Schedule:

Date	Topic	Quiz/discussion close date
January 15, 2017	Lesson 1 - Principles of nutrition	January 24, 2017
January 25, 2017	Lesson 2 - Feeds and feeding	February 7, 2017
February 8, 2017	Lesson 3 - Grazing management	February 21, 2017
February 22, 2017	Lesson 4 - Wintering cows	March 7, 2017
March 8, 2017	Lesson 5 - Feeding for breeding	March 21, 2017
March 22, 2017	Lesson 6 - Pre-weaning nutrition	April 4, 2017
April 5, 2017	Course access closes	

Certificate: To earn a certificate of completion, participants must earn $\geq 70\%$ on each quiz (5 total quizzes) and make at least one contribution to the discussion board for each lesson.

- The quiz for each lesson will be available for two weeks following the lesson delivery.
- Quizzes will consist of multiple choice or true-false questions that reflect a topic covered by that lesson. In some cases, participants will be required to complete activities using resources provided by the instructors in order to answer quiz questions.
- Multiple attempts are allowed for each quiz.
- A discussion forum will accompany each lesson. Participants must contribute at least one comment or question to the discussion forum in the two weeks following the lesson posting.