



Basic Dairy Nutrition Online Course

Presented as a partnership of Cornell University and Miner Institute, this course will cover basic principles of dairy cattle nutrition and their application within dairy herd management. This course is designed primarily for beginning nutritionists and allied industry professionals seeking a more comprehensive foundation or a refresher in the principles of dairy cattle nutrition and their application in the field.

Format

This is a six-week course offered online through Moodle. Each week consists of pre-recorded video lectures to view online and additional supplemental electronic materials that may be downloaded. A weekly live webinar with speakers provides an opportunity to ask questions and have further discussion on that week's topics. There are no additional required assignments or exams. To get the most out of the experience, you should expect to spend approximately 3 hours per week engaging in this course.

Course Outline and Calendar

Week	Materials available	Live Q&A (12:00 -1:30 PM ET)	Topics and Speakers
1	May 14	May 20	Course overview – Tom Overton Rumen function and metabolism – Tawny Chandler Carbohydrate nutrition – focus on fiber – Rick Grant Carbohydrate nutrition – focus on starch – Heather Dann
2	May 21	May 27	Protein and amino acid nutrition – Mike Van Amburgh Nutrition and the environment – Kristan Reed
3	May 28	June 3	Fats and fatty acids in dairy nutrition – Tom Overton Nutrition and milk components – Tom Overton Water quality in dairy nutrition – Rick Grant Management impacts for cow behavior – Rick Grant
4	June 4	June 10	Calf nutrition and management – Sarah Morrison Heifer nutrition and management – Mike Van Amburgh Minerals and vitamins – Larry Chase
5	June 11	June 17	Feeding and managing the dry cow – Tom Overton Feeding and managing the fresh cow – Heather Dann
6	June 18	June 24	Forage production for dairy herds – Joe Lawrence Silage fermentation and management – Kristan Reed & Larry Chase

This course has been approved for a maximum of 1.8 Continuing Education Units (CEUs) from the Cornell School of Continuing Education. Upon completion of all sessions, you may receive a certificate. For more information, contact Heather Darrow at hh96@cornell.edu.



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Course Faculty

Dr. Tawny Chandler – Cornell University, College of Veterinary Medicine
Dr. Larry Chase – Cornell University, Department of Animal Science (Emeritus)
Dr. Heather Dann – Miner Institute
Dr. Rick Grant – Miner Institute
Mr. Joe Lawrence – Cornell CALS PRO-DAIRY
Dr. Sarah Morrison – Miner Institute
Dr. Tom Overton – Cornell University, Department of Animal Science
Dr. Kristan Reed – Cornell University, Department of Animal Science
Dr. Mike Van Amburgh – Cornell University, Department of Animal Science