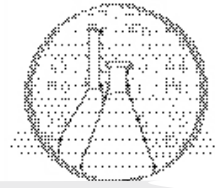


# Applied Dairy Chemistry

## Short Course

May 12-13, 2020



### The Wisconsin Tradition

In 1890, The University of Wisconsin established the first dairy school in the United States. Since then the University of Wisconsin and University of Minnesota have trained over 15,000 students in various dairy manufacturing short courses. The University of Wisconsin and University of Minnesota house two of the premier dairy research centers in the United States. Both universities continue to serve as leaders in dairy manufacturing programs for the dairy industry.

### Purpose

The Applied Dairy Chemistry Short Course is an intensive two-day course covering the chemistry of milk and milk products as they relate to specific dairy processing and control functions. It will provide a better understanding of the chemical and physical changes taking place during processing and storage of dairy products and how these may impact the overall quality. The course is designed for students that have had high school chemistry.

### When

Check-in begins at 8:00 a.m. on Tuesday, May 12 with classes beginning at 8:30 a.m. Classes begin at 8:00 a.m. on Wednesday.

### Where

Room 205 Babcock Hall, 1605 Linden Drive, University of Wisconsin-Madison campus. Parking is restricted and must be arranged through the campus Transportation Services office at: <https://transportation.wisc.edu>.

### Registration Fees

The fee of \$350.<sup>00</sup> covers the cost of instructional materials, lab supplies, speaker and staff expenses, handouts, lunch (Tuesday) and registration for the two-day short course. Lodging, parking and other meals are not covered in the registration fee.

### Instructional Materials

The Applied Dairy Chemistry Manual written by Prof. V.S. Packard of the University of Minnesota is available online at:

<https://dairyfoods.wisc.edu/assets/PackardManual.pdf>

### Lodging

Lodging is not included in the registration fee. Make your lodging reservation directly with the hotel/motel you select. As a convenience, a block of rooms has been reserved with the hotel below. To qualify for the group rate, mention the appropriate group code as listed below.

### DOUBLE TREE

525 WEST JOHNSON ST., MADISON WI 53703

(608) 251-5511

\$169 SINGLE/DOUBLE PLUS TAX

CUT OFF DATE: APRIL 19, 2020

GROUP CODE: ADC

University of Wisconsin-Madison  
College of Agricultural and Life Sciences

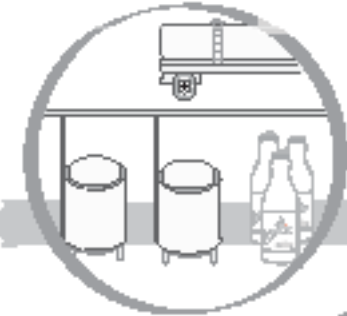
CALS Conference Services  
640 Babcock Drive

Madison, WI 53706-1519

*University of Wisconsin-Madison provides equal opportunities for admission and employment.*

# Applied Dairy Chemistry Short Course

May 12&13, 2020



Sponsored by:  
University of Wisconsin-Madison  
Department of Food Science  
College of Agricultural & Life Sciences,  
Wisconsin Center for Dairy Research  
University of Minnesota, Department of Food  
Science & Nutrition, College of Agriculture

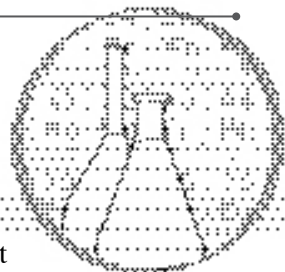


# Applied Dairy Chemistry Short Course

May 12 & 13, 2020

## Tuesday

- 8:00 Registration
- 8:30 Milk Composition
- 9:30 Water, Acids, Bases
- 10:45 Chemistry of Milkfat
- 11:30 Properties of Milkfat
- 12:15 Lunch
- 1:00 Milkfat Flavors
- 1:30 Milkfat Property Lab
- 2:45 Chemistry and Properties of Lactose
- 3:30 Milk Enzymes
- 4:30 Adjourn



## Instructors

**Ms. Kimberlee Burrington**  
Center for Dairy Research  
University of Wisconsin-Madison

**Ms. Beth Button**  
Dept. of Food Science  
University of Wisconsin-Madison

**Dr. Susan G. Larson**  
Center for Dairy Research  
University of Wisconsin-Madison

**Dr. Scott Rankin, Professor**  
Dept. of Food Science  
University of Wisconsin-Madison

**Dr. Tonya Schoenfuss, Professor**  
Dept. of Food Science and Nutrition  
University of Minnesota-St. Paul

**Dr. David Smith, Professor**  
Dept. of Food Science and Nutrition  
University of Minnesota-St. Paul

## Wednesday

- 8:00 Milk Protein Chemistry
- 9:00 Milk Protein Functionality
- 9:45 Milk Protein Lab
- 11:00 Physical Properties of Milk Products
- 11:45 Minerals and Salts
- 12:30 Distribution of Certificates/Adjourn



## HOW TO ENROLL

### Enrollment

Register online at:

[dairyfoods.wisc.edu](http://dairyfoods.wisc.edu)

Or complete the Enrollment Form attached for each student and mail with check or money order payable to:

University of Wisconsin-Madison

Mail to:

CALS Conference Services  
640 Babcock Drive, Madison, WI 53706-1519  
FAX (608) 262-5088

### Enroll by May 1, 2020

Enrollment is limited to the first 30 paid students due to limited space in the laboratory. Persons who enroll after the course is filled will be placed on a priority mailing list for the next short course. Please note that phone registrations are not accepted.

### Cancellations

Applicants may cancel up to fourteen (14) days before the first day of the short course and for a full refund. Cancellations received later than fourteen (14) days prior to the course are subject to the entire tuition charge. Substitutions may be made at any time.

### For Further Information:

Registration: (608) 263-1672  
FAX: (608) 262-5088  
CALS Conference Services  
640 Babcock Dr.  
Madison, WI 53706

Curriculum: (608) 263-2008  
FAX: (608) 262-6872  
Dr. Scott Rankin  
Dept. of Food Science  
1605 Linden Dr.  
Madison, WI 53706



Information on additional Short Courses Offerings visit our web site at: [dairyfoods.wisc.edu](http://dairyfoods.wisc.edu)

## Enrollment Form

### Applied Dairy Chemistry Short Course

May 12 & 13, 2020

Submit Enrollment Form for each registrant. Use separate Forms or copies for additional registrants.

Print clearly or type.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Mailing Address:  Home  Business

Address: \_\_\_\_\_  
Street; Route & Box Number

City/State/Zip: \_\_\_\_\_

Telephone during day: (\_\_\_\_\_) \_\_\_\_\_  
Area Code

Email: \_\_\_\_\_

\$350 Two Day Short Course

Make checks payable to *UW-Madison*.

Or register online at: [dairyfoods.wisc.edu](http://dairyfoods.wisc.edu)

### Please charge to the following account:

Mastercard  Visa  Exp. date \_\_\_\_\_

Credit Card Number \_\_\_\_\_

Name on Credit Card \_\_\_\_\_

Signature \_\_\_\_\_

Mail to: CALS Conference Services  
640 Babcock Drive, Madison, WI 53706  
Forms can also be faxed to us at (608) 262-5088

*If payment is not received at least one week before the first day of the course, your registration will be cancelled.*