**North Carolina**

**Agricultural Education**

**Professional Development**

**Workshop Series**

**Coordinated by the**

 **Agricultural Education Team**

**at**

 **NC State University**

**Summer 2019**

**North Carolina Agricultural Education**

**Professional Development Workshop Series**

***Introduction***

The 2019 Agricultural Education Professional Development Workshop Series offers in-service education opportunities this summer, plus workshops offered through the NC State University Horticultural Science Department, University of Mount Olive, NC Biotech Center, Wilkes Community College, Central Piedmont Community College, and Lenoir Community College. These workshops are designed to make you a more effective teacher and manager of a successful agricultural education program. However, these workshops will only be successful if you choose to participate. You are encouraged to make plans to participate in these professional development workshops this summer.

***Process***

As you review these workshop opportunities, you are strongly encouraged to visit with your principal and Career Technical Education Director. Their involvement and support of your professional development activities is critical. They are welcome to register and participate as well. *Please note that you are welcome to attend workshops anywhere in the state.* The regional distribution of workshops has been done in an effort to reduce your travel time to workshops and to ensure access for all agricultural education teachers.

The registration form enclosed in this guide is due on **May 31, 2019**. It is critical that you register by May 31 so workshop presenters can be confirmed for the workshops. **Any workshops that are not sufficiently filled by May 31 will be cancelled.** All questions regarding workshops should be forwarded to the contact person for each workshop selection.

If your school system will not accept workshop credit of less than 1 full CEU unit, regional coordinators can combine all workshops together on one CEU credit form with one total CEU credit for the combined workshops. This can be done on an individual basis by contacting your regional coordinator.

**2019 Summer Professional Development Opportunities**

**Workshop Registration Form**

***(Duplicate as necessary)***

Please carefully complete this workshop registration form and email, fax or mail it to the contact listed below. **All workshop registrations are due by May 31, 2019.** You may copy this form if you wish to register for more than one workshop. All workshops will be filled on a first-come, first-serve basis. **Please do not send a check with the registration form. Checks will be collected on the first day of the workshop you are attending, unless otherwise noted. Please read the workshop descriptions carefully for information on whom to make the check payable. Also, please be aware that if you sign up for a workshop and do not attend you may still be responsible for the fee due to the cost associated with conducting the workshop.**

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

School: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

School Telephone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mobile Telephone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Workshop Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Workshop Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Please email, mail, or fax a separate form for each workshop to:**

|  |  |  |
| --- | --- | --- |
|  | **Mrs. Denning VarnellNCSU Box 7654Raleigh, NC 27695-7654Phone: (919) 513-2017****Fax: (919) 513-3201****Email:****denning\_varnell@ncsu.edu** |  |

**\*You will receive a confirmation of your registration.**

# EASTERN NORTH CAROLINA WORKSHOPS

**Title: Combining Drones and Agricultural Education**

**Date**: Monday, June 24, 2019, 9:00 am – 5:00 pm

**Location**: Pinecrest High School, 250 Voit Gilmore Ln, Southern Pines NC 28315

**Instructor:** Tiffany Key

**Contact:**  Allison Jennings, Eastern Region Agricultural Education Coordinator

**Description**: This workshop is designed to introduce teachers to drone technology, explain the Part 107 examination, and explore how drone use is a rapidly expanding industry, paying special attention to drones in the agricultural field. Moore County Schools piloted an Advanced Studies drone class during the 2018-2019 school year and this training will include an overview of the topics covered in the course. Professional development activities will include soldering, test flights, and course related interactive project ideas. Each participant will receive a Part 107 Remote Pilot Test Prep Manual.

**CEU:** 0.8

**Class Size** Minimum 8 - Maximum 12

**Fee**: $30.00, snacks and drinks provided- lunch on your own. Make checks payable to: Pinecrest FFA

 **Address for checks:**  250 Voit Gilmore Ln, Southern Pines, NC 28315

**Title:**            **Horticulture Train the Teacher**

**Date:**               Tuesday, June 25, 2019, 9:00 am - Thursday, June 27, 2019, 12:00 pm

**Location:**        North Carolina State University

**Instructor:**      Dr. Helen Kraus, Associate Professor of Horticultural Science at NCSU

**Contact:**         Allison Jennings, Eastern Region Agricultural Education Coordinator

**Description:**   The Department of Horticultural Science offers a series of workshops developed for high school and community college teachers. These activity-based workshops are designed to refresh teachers on horticulture subject matter and techniques. Experiential learning activities will be demonstrated that can be used in the classroom at the teacher’s school. The three-day workshop will start at 9:00 am Tuesday and conclude at 12:00 pm on Thursday. The fee ($85.00) to attend the workshop includes lunch both days, dinner with the teaching faculty from the Department of Horticultural Science on Tuesday evening, and all supplies. Reservations for this workshop must be made by June 1, 2019. We hope that these workshops will equip teachers in Horticulture, Agriculture, and other Agriculture-Related Sciences (e.g. Environmental Science) with experiential learning opportunities and a greater understanding of the educational programs that the Department of Horticultural Science at North Carolina State University has to offer.

**CEU:**             2.5

**Class Size**:      Minimum 5 - Maximum 12

**Fee:**                 $85, checks payable to NC State University

**\*Complete the separate registration sheet on the last page of this document and mail/email to Dr. Helen Krause by June 1, 2019\***

**Title:**            **Tour of Ag Operations**

**Date:**               Tuesday, June 25, 2019; 9:00 am – 4:00 pm

**Location:**        University of Mount Olive, Raper Hall, Agribusiness Center

                         [634 Henderson St, Mt Olive, NC 28365](https://maps.google.com/?q=634+Henderson+St,+Mt+Olive,+NC+28365&entry=gmail&source=g)

**Instructors:**    Dr. Sandy Maddox, Director, UMO Agribusiness Center /Agriculture Education

                        Edward Olive, Associate Director, UMO Agribusiness Center

**Contact:**         Allison Jennings, Eastern Region Agricultural Education Coordinator

**Description:**   This workshop is designed as a tour for attendees to learn more about the diverse agriculture production and processing industry in eastern North Carolina.  Various production and processing facilities will be visited and information about each will be provided. Teachers will take away the most current industry examples to use in their discussions and lessons in the classroom.

**CEU:**             0.7

**Class Size**:      Minimum 10 - Maximum 14

**Fee:**                 No cost: lunch provided

**Title:**            **Lab Activities that Work**

**Date:**             Monday-Tuesday, July 1-2, 2019; 9:00 am – 4:00 pm

**Location:**        Wayne Community College, 3000 Wayne Memorial Dr., Goldsboro, NC 27534

**Instructor:**      Gabe Mitchell, Jennifer Johnson, Jim Moeller, Lynn Jenkins, Rob Woods

**Contact:**         Allison Jennings, Eastern Region Agricultural Education Coordinator

**Description:**   This workshop is designed to give teachers practical, hands-on lab activities in the areas of animal science, turfgrass, forestry, and small gardening/greenhouse management. Teachers should be prepared to be the students as they will be engaged in lessons that they can easily transfer to their own classrooms as well as use in preparation for certain career development events.

**CEU:**             1.4

**Class Size**:      Minimum 5 - Maximum 20

**Fee:**                 No fee, lunch and snacks provided each day

Title: NC Tobacco Trust Fund Commission SAE Professional Development Institute

**Date:**               Monday-Friday, July 8, 2019 – July 12, 2019

**Location:**        University of Mount Olive, 634 Henderson St, Mt. Olive, NC 28365

**Instructors:**     Dr. Sandy Maddox, Director, UMO Agribusiness Center /Agriculture Education

                         Edward Olive, Associate Director, UMO Agribusiness Center

**Contact:**         Allison Jennings, Eastern Region Agricultural Education Coordinator

**Description:**   The NCTTFC SAE Professional Development Institute offers FFA advisors the opportunity to receive training and assistance in understanding opportunities in SAE and developing networks to support SAE activities. Professional development activities will include leadership development, SAE reporting, implementation discussions, tours and community service options, and advisor updates.

This Institute prefers attendees plan to be in residence for the week. Housing will be provided at the Sleep Inn Mount Olive. Residence is preferred as the Institute activities and educational activities extend beyond 5:00 pm in some cases.

Attendees in residence will be given priority to attend the Institute over those desiring to commute. If accepted to the Institute commuters must attend all educational activities to receive CEU credit. This Institute will coincide with the NCTTFC SAE Camp for FFA members.

**Applications due by May 1, 2019**. **Apply online at**[**https://apply.umo.edu/register/SAEAdvisor**](https://apply.umo.edu/register/SAEAdvisor)

**CEU:**              3.0

**Class Size:**      Maximum 10

**Fee:**                There will be no cost associated with the Institute. All training materials, travel, accommodations, and meals will be provided.

**Title:** **Food Science, Milk Quality, and Poultry Judging CDEs: Strategies for Success**

**Date:** Tuesday, July 9th, 2019, 9:00 am – 5:00 pm

**Location:** Triton High School, 215 Maynard Lake Rd, Erwin, NC 28339

**Instructors:** John Hardee & Jacob Fipps

**Contact:** Allison Jennings, Eastern Region Agricultural Education Coordinator

**Description:** Strategies will be provided to help train successful CDE teams listed above.  Tips for success along with hands-on activities will be used throughout the workshop.

**CEU:** 0.8

**Class Size:** Minimum 10 - Maximum 30

**Fee:** $20, lunch will be provided; Make checks payable to**:** Triton FFA, Address for checks: 215 Maynard Lake Road, Erwin, NC 28339

**Title:** **Keeping Busy with Greenhouse & Labs**

**Date:** Wednesday, July 10, 2019; 9:00 am - 4:00 pm

**Location:** Heritage High School (Agriculture Classroom) 1150 Forestville Road, Wake Forest, NC 27587

**Instructor:** Camber Starling

**Contact:** Allison Jennings, Eastern Region Agricultural Education Coordinator

**Description:** Are you trying to find more ways to keep students active in the greenhouse or outdoor lab space? During this workshop, participants will learn ways to help students gain ownership of your greenhouse and utilize more hands-on activity time.  Concepts covered will include:

SCRUM - this is a framework for project management that emphasizes teamwork,
 accountability, and interactive progress toward a well-defined goal. Using the
 SCRUM concept allows students to decide what needs to be done and visually
 hold each other accountable for their progress.

Breakout Boxes - Utilize these as a way to decrease lecture time and increase the focus
 on getting students into semester long projects. We will focus on using them for
 vegetable gardening in Horticulture 1, but will understand ways to mold it for
 other units.

This workshop will assist horticulture teachers in preparing meaningful lab lessons that encourage students to take more interest in the course subject.

**CEU:** 0.7

**Class Size**: Minimum 15 – Maximum 20

### Fee: $20; Make checks payable to Heritage FFA Alumni and mail to address above with Attention: Camber Starling

**Title :** **Emerging Trends in Sustainable Ag**

**Date :** Wednesday, July 24, 2019, 9:00 am – 4:00 pm

**Location :** Lenoir Community College

**Instructor:** Tara Taylor

**Contact:** Allison Jennings, Eastern Region Agricultural Education Coordinator

**Description:** Come hit the road with LCC Ag again this year to learn about trends that you can take back to your classroom! We will travel to local farms and industries and celebrate Ag in true Eastern NC style.  To keep things as simple as possible, please do not mail in your registration fee. Please bring payment to the workshop.  An emailed itinerary will be provided to those registered by the deadline so that arrangements can be made if individuals would like to drive separate from the vans.  Transportation can be provided for 30; however, registration can be extended past that amount if participants can provide their own transportation.

**CEU:** 0.7

**Class Size:** Minimum 10 - Maximum 30, those who register after the Max of 30 is reached must provide their own transportation to the tours.

**Fee:** $25, lunch will be provided. Make checks payable to Lenoir Community College and bring with you on July 17. DO NOT mail checks or pay in advance.

**Title :** **Landscape Design for Smarties**

**Date :** Thursday, July 25, 2019, 9:00 am – 4:00 pm

**Location :** Lenoir Community College

**Instructor:** Hope Mauney

**Contact:** Allison Jennings, Eastern Region Agricultural Education Coordinator

**Description:** Practice hands-on applications of creating a landscape design plan!  Learn ways to engage students in activities that will foster their understanding of landscape design.

**Register at**[**https://www.lenoircc.edu/ce/aghort/**](https://www.lenoircc.edu/ce/aghort/)

**CEU:** 0.7

**Class Size:** Minimum 10 - Maximum 30

**Fee:** $25, lunch will be provided. After registering online you can call and pay with credit card. Those needing to pay by check are asked to bring the check with them to the workshop as some checks have been lost in the past. Checks should be made payable to Lenoir Community College.

#### Title: Small Engines

**Date**: Wednesday-Thursday, July 24-25, 2019, 9:00 am – 4:00 pm each day

**Location**: Goodson and Wells at the University of Mount Olive

**Instructors:** Tim Warren, Michele Spence

**Contact:**  Allison Jennings, Eastern Region Agricultural Education Coordinator

**Description**: Instruction will involve some history of small engines, engine designs, formulas related to engines, cycles, carburetion, testing equipment, tear down, lubrication, troubleshooting, and demonstration of skills for the Ag Mechanics CDE. Teachers may desire to bring their own socket sets, although socket sets will be available for pairs of participants provided by UMO. Specialty tools will be provided. No prior knowledge of small engines is required.

**CEU:** 1.4

**Class Size:** Minimum 8 – Maximum 16

**Fee**: $30.00, snacks and lunch provided

Make checks payable to: University of Mount Olive

## Please make note that the check is for Small Engines Workshop

Address for Checks: University of Mount Olive, Attention: Agribusiness Center

 634 Henderson St., Mount Olive, NC 28365

**Title:** **Food Science from Farm to Fork**

**Date:** Tuesday-Wednesday, July 30-31, 2019, 9:00 am – 5:00 pm each day

**Location:** Wakefield High School, 2200 Wakefield Pines Dr, Raleigh, NC 27614

**Instructor:** Jodi Riedel

**Contact:** Allison Jennings, Eastern Region Agricultural Education Coordinator

**Description:** Participants will enjoy two full days of hands-on activities that involve scientific inquiry, problem solving, and eating your data. Attendees will go into the garden and get cooking in the classroom. Activities will align with the SCOS for Foods II Technology and a bounty of fresh ideas for teaching will be provided to take back to your agriculture classroom. Emphasis will be made on how this traditional FCS course can be implemented in any ag classroom or shop.

**CEU:** 1.6

**Class Size:** Minimum 15 – Maximum 20

**Fee:**  $100 includes meals and snacks (all prepared on-site by the participants)

Make checks payable to: Wakefield FFA Alumni

Address for checks:  2200 Wakefield Pines Dr., Raleigh, NC 27614

**Title:**            **Vet Science CDE**

**Date:**               Tuesday, August 6, 2019, 9:00 am – 4:00 pm

**Location:**        Clayton High School, 600 S Fayetteville St, Clayton, NC 27520

**Instructor:**      Daniel Manzer, Meredith Rakowski, Roberta Manzer, Ted Manzer

**Contact:**         Allison Jennings, Eastern Region Agricultural Education Coordinator

**Description:**   Participants will review the entire Vet Science CDE for both the state level and national level competition. Best practices of how to train a team and prepare students to be competitive for this event will be shared. Take home a flash drive full of information and resources to put your students to work in their preparation for the Vet Science CDE.

**CEU:**             0.7

**Class Size**:      Minimum 5 - Maximum 25

**Fee:**                 $25 to include snacks and lunch

Checks should be made payable to Clayton FFA and mailed to 600 S Fayetteville St, Clayton, NC 27520 Attn: Clayton FFA

**Horticulture Train the Teacher Program Horticulture Summer Workshops**

The Department of Horticultural Science offers a series of workshops developed for high school and community college teachers. These activity-based workshops are designed to refresh teachers on horticulture subject matter and techniques. Experiential learning activities will be demonstrated that can be used in the classroom at the teacher’s school. Two topics will be covered per summer (Rotation 1 – 5) with workshop topics rotating each year to broaden the learning opportunities over time.

**Workshops:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Rotation 1****(2019)** | **Rotation 2****(2020)** | **Rotation 3****(2021)** | **Rotation 4****(2022)** | **Rotation 5****(2023)** |
| #1 | Cut Flower Production and Postharvest Handling(Bergman and Jahnke) | Growing Vegetable and Fruit Crops (Gunter, Parker and Hoffman) | Entomology and Pollinators (Bradley, Buhler, Carley and Spafford) | Pruning and Planting Trees, Shrubs, and Perennials (Fair) | Plant Propagation (Meyer) |
| #2 | Floral Design and Arranging (Sherk andJahnke) | Food Safety Basics (Gunter) | Composting and Vermicomposting (Sherman) | Arboriculture and Tree Climbing(Ivy) | Plant Breeding |

Each three-day workshop will start on at 9:00 am Tuesday and conclude at 12:00 pm on Thursday. The fee ($85.00) to attend the workshop includes lunch both days, dinner with the teaching faculty from the Department of Horticultural Science on Tuesday evening, and all supplies. Reservations for this workshop must be made by June 1, 2019.

We hope that these workshops will equip teachers in Horticulture, Agriculture, and other Agriculture Related Sciences (eg. Environmental Science) with experiential learning opportunities and a greater understanding of the educational programs that the Department of Horticultural Science at North Carolina State University has to offer.

**This Year’s (2019) Schedule**

***2.5 Continuing Education Credits***

**Tuesday, June 25**

9:00-9:30 Greeting

9:30-12:00 Local production and post-harvest handling of cut flowers

12:00-1:00 Lunch provided

1:00-1:30 Introduction to the department and undergraduate programs of study

1:30-5:00 Global flower production and post-harvest handling of cut flowers

5:00-8:00 JC Raulston garden tour and dinner provided

**Wednesday, June 26**

9:00-12:00 Field trip to Cleveland Plant and Piedmont Wholesale Flowers

12:00-1:00 Lunch provided

1:00-5:00 Drying and preserving flowers

**Thursday, June 27**

9:00-12:00 Floral design and arranging

Reservations for this workshop must be made by **June 1, 2019**. Please make checks payable to

**NC State University** and mail them and this form to:

Dr. Helen Kraus

Department of Horticultural Science Campus Box 7609

Raleigh, NC 27695-7609

Name:

School:

Mailing address:

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

**WESTERN NORTH CAROLINA WORKSHOPS**

**Title: Initial NC Pesticide License Training and Exam**

**Date:** Various Dates and Locations across NC

**Instructor:** NCSU and NCDA Personnel

**Contact:** Andy VonCanon, Western Region Agricultural Education Coordinator

**Description:** If you need to receive your **initial** NC Pesticide Applicators License, this workshop will provide you with training on the best use of pesticides and prepare you for the NCDA Pesticide Exam.

Additional info can be found here: **http://www.ncagr.gov/SPCAP/pesticides/exam.htm**

**Fee:**                 Fees vary, **see website for specific details**

**Title: NC ZOO – Behind the Scenes!**

**Date:** Monday, June 24, 2019; 9:00 am – 5:00 pm

**Location:** NC Zoo; 4401 Zoo Pkwy, Asheboro, NC 27205

**Instructor:** Elizabeth Pack, Agriculture Teacher

**Contact:** Andy VonCanon, Western Region Agricultural Education Coordinator

**Description:** Get a glimpse behind the scenes of the North Carolina Zoological Park. Learn about the uniqueness of growing and caring for plants for the zoo environment as you tour the greenhouses, nurseries, and the compost site with the horticulture staff. After lunch, we will tour various habitats within the zoo while hearing from keepers and educators about the daily challenges and responsibilities in caring for a variety of native and exotic animal species.

**CEU:**            0.8

**Class Size:** Maximum - 20 participants

**Fee:**                 No fee; There will be a break for lunch, on your own.

**Title: Ashe County Cheese Factory and Dairy Tour**

**Date:** Thursday, June 27, 2019; 9:00 am - 4:00 pm

**Location:** Ashe County High School, 184 Campus Dr, West Jefferson, NC 28694

**Instructor:** Daniel Calhoun, Agriculture Teacher

**Contact:** Andy VonCanon, Western Region Agricultural Education Coordinator

**Description:** As part of this workshop, participants will begin the day at Ashe County HS and will receive educational materials and teaching resources from the Dairy Alliance regarding the dairy industry. After that, we will tour the Ashe County Cheese Factory, where we will see firsthand their retail and wholesale operations. After lunch, the workshop will conclude with a tour of Cheek Farmstead Creamery, a family run dairy operation that pasteurizes, bottles, and sells milk from the farm.

**CEU:**            0.7

**Fee:**                 $15; Make checks payable to Ashe FFA, cost includes lunch

**Title: Training your NC FFA Forestry CDE Team**

**Date:** Tuesday, July 9, 2019; 9:00 am – 5:00 pm

**Location:** Cuthbertson High School, 1400 Cuthbertson Road, Waxhaw, NC 28173

**Instructors:** Ben Shumate, Agriculture Teacher, Andy Cranfill, NC Forest Service

**Contact:** Andy VonCanon, Western Region Agricultural Education Coordinator

**Description:** This workshop is a great opportunity for teachers who would like to strengthen their knowledge of how to prepare a successful NC FFA Forestry team. We will walk through each section of the CDE including: tree ID, sawtimber estimation, tool ID, and orienteering. Participants are encouraged to wear comfortable clothing and shoes as we will be doing a lot of walking. Bug spray, hats, and/or sunscreen is also encouraged. Participants are also welcome to bring leaf presses if you are interested in taking some leaf samples home. Lunch and refreshments will be provided.

**CEU:**            0.8

**Fee:**                 $30; Make checks payable to Cuthbertson FFA

**Title:               Floral Design Labs for your Classroom**

**Date:**               Tuesday, July 9, 2019; 9:00 am – 5:00 pm

**Location:**        Pisgah High School; 1 Black Bear Dr., Canton, NC 28716

**Instructors:**    Josh Justice & NC Florist Association members

**Contact:**         Andy VonCanon, Western Region Agricultural Education Coordinator

**Description:**This is a wonderful opportunity for participants to learn more about floral arranging skills, floral components, complimentary colors, and how to create manageable students labs for your horticulture classrooms.

**CEU:**             0.8

**Class Size:**      Minimum 5 - Maximum 50

**Fee:**                 Contact Josh Justice: jjustice@haywood.k12.nc.us

**Title: Training your NC FFA Dairy Evaluation and Dairy Handlers CDE Teams**

**Date:** Thursday, July 11, 2019, 9:00am – 5:00pm

**Location:** Piedmont High School; 3006 Sikes Mill Rd, Monroe, NC 28110

**Instructor:** Kelly Barbee, Agriculture Teacher

**Contact:** Andy VonCanon, Western Region Agricultural Education Coordinator

**Description:** Whether you have trained a team before, or just considered having a dairy judging team from your chapter, this workshop has been designed to provide you a walk-through of the different skills and activities included in the CDE. You will be given hands-on instruction on the best practices and techniques used to properly evaluate dairy cows and dairy heifers, understand records and best management practices, and give oral reasons. This is a great opportunity to learn more about this event and gain some valuable materials, lessons, and tips that you can pass along to your chapter’s team members.

**CEU:**            0.8

**Fee:**                 TBD

**Title:               Training Milk Quality and Meats Evaluation CDE Teams**

**Date:**               Thursday, July 25, 2019; 9:00 am – 5:00 pm

**Location:**    Randleman High School, 4396 Tigers Den Rd, Randleman, NC 27317

**Instructors:**    Mark Walker & Frankie Farbotko, Agriculture Teachers

**Contact:**         Andy VonCanon, Western Region Agricultural Education Coordinator

**Description:** Participants in this workshop will have the opportunity to engage in informative and practical applications of activities related to the Milk Quality & Products CDE as well as the Meats Evaluation CDE. Participants will learn procedures involved in the evaluation of milk flavor quality and cheese varieties and characteristics and fat content identification of milk-related products. In regards to the Meats Evaluation CDE, participants will learn techniques to identify retail cuts of meat, how to complete the meat formulation problem solving activity, and judge classes of retail cuts for the retail meat quality portion of the CDE. Written tests and resources will be addressed for both Career Development Events as well. Participants will be able to conduct each CDE event as it would be presented at the State Convention.

**CEU:**             0.8

**Fee:**                 $25; Please make checks payable to Randleman FFA.

**Title:               I Believe…Creed Speaker Training Tips**

**Date:**               Tuesday, July 30, 2019; 9:00 am - 4:00 pm

**Location:**        Mountain Hort. Research and Extension Center; 455 Research Dr. Mills River, NC 28759

**Instructor:**     Andy VonCanon, Western Region Agricultural Education Coordinator

**Description:**Do you have the next state winning creed speaker sitting in your classroom? You very well may! This workshop will focus on the steps needed to help students best prepare for regional, state, and national level competitions. Training materials, presentation tips, and sample questions will be provided to help your students gain the confidence and experience needed to perform at their highest potential.

**CEU:**             0.7

**Class Size:**     Minimum – 5 participants

**Fee:**                $20; Lunch will be provided.

**Title:               Goat Artificial Insemination Short Course**

**Date:**               Monday-Wednesday, August 5-7, 2019; 8:30 am – 5:00 pm

**Location:**        NCSU - North Campus / Riddick Hall (Room TBD)

2401 Katharine Stinson Drive; Raleigh, North Carolina 27695

**Instructor:**     Dr. Charlotte Farin (Char\_Farin@ncsu.edu)

**Contact:**         Andy VonCanon, Western Region Agricultural Education Coordinator

**Description:**This 3-day short course is designed to provide participants with both theoretical background and significant opportunity for hands-on practice needed to facilitate the adoption of artificial insemination into their goat breeding programs. With the use of improved transcervical AI breeding techniques for goats, pregnancy rates comparable to those routinely achieved for AI in cattle are now possible. This short course will consist of an initial series of lectures on Monday morning coupled with four hands-on practice sessions (Monday pm, Tuesday am & pm, and Wednesday am). **https://projects.ncsu.edu/cals/ncsugoatAI/**

**CEU:**              1.5

**Fee:**                 $650

Early Bird Discount: $600, if registered on or before June 1st, 2019

Must pay by credit card when registering online.