

University of Mount Olive
School of Agriculture and Biological Sciences
2023 Summer Workshop Series



University of MOUNT OLIVE

UMMO

SCHOOL OF AGRICULTURE
& BIOLOGICAL SCIENCES

2022 University of Mount Olive, School of Agriculture and Biological Sciences Summer Workshop Series

Dear Potential Participants:

Thank you for being so interested in our 2023 Summer Workshop Series. We are excited to offer you a wide variety of virtual workshops for CEU Credit. This summer, we offer 26 virtual and 14 seated workshops that will award credit to teachers. For our online workshops, we are excited to provide you with these opportunities at no cost to the participants as an outreach service of the University of Mount Olive and the School of Agriculture and Biological Sciences.

The online workshops do not have a limit on the number of participants. If we reach our capacity (300 participants) to host on Zoom for any of the workshops, we will contact all participants to make alternate arrangements before the scheduled workshop date.

We want all workshop participants to register **at least one week before** the workshop. We will send the link and any workshop materials before the workshop. If you register within one week of the workshop, there is no guarantee that you will receive the initial email contact, the materials, or the certificate for CEUs for your licensure.

The link to sign up for the online workshops is:

<https://docs.google.com/forms/d/e/1FAIpQLSd3xZBlvvACt8pzwLCEV9GDKp09EGfKMsnLqgdEPMATSOu3Gw/viewform>

You may return to this link and register for more workshops any time.

The Zoom links for all workshops are at the end of this guide.

All times listed are Eastern Daylight Time, so if you live in another time zone, please adjust your calendar.

At the end of the workshop series in August, we will send all participants a certificate showing credit for all of the online workshops they attended. Certificates will be presented in person for the seated workshops.

If you have any additional questions about the workshop series, you may email me at sedwards@umo.edu

We look forward to working with you this summer,

Stephen Edwards, Ph. D.
Associate Professor of Agriculture Education
Department Chair of Agricultural Education and Agribusiness
University of Mount Olive

Online Workshops (All workshops are listed in chronological order)

Workshop Name: Pruning Basics

Presenter: Dr. Jennifer Bradley, Assistant Professor of Plant Science, UMO

Date and Time: Tuesday, June 13, 2023, 10:00 AM EDT

CEUs: 0.2

Description: This workshop is designed as a lesson in pruning. During this two-hour workshop, participants will gain an understanding of various techniques for pruning a wide variety of plant types. A review of tools and a demonstration of proper pruning cuts will be explained. This class will combine live instruction and pre-recorded videos to allow participants to observe pruning situations in various landscapes. Plant material and pruning will include deciduous and evergreen trees, shrubs, and vines; roses; perennials; and grapes, berries, and fruit trees.

Workshop Name: Hydroponics: Get to Growing

Presenter: Laney Johnson, Agricultural Teacher, Truman High School

Date and Time: Tuesday, June 13, 2023, 2:00 PM EDT, 1:00 PM CDT

CEUs: 0.1

Description: An easy guide to get your hydroponics tank running. From set up to take down. This workshop will cover everything from starting seeds, harvesting plants, sanitizing parts, and preparing the tank for your next set of plants.

Workshop Name: Growing Fruits & Veggies in Your Agriculture Program

Presenter: Dr. Jason Davis, Assistant Dean, School of Agriculture & Biological Sciences, UMO

Date and Time: Thursday, June 14, 2023, 10:00 AM EDT

CEUs: 0.2

Description: Agriculture programs often attempt to grow vegetables and fruits. This workshop will share ideas on practical applications where you can grow various fruits and veggies beyond the summer growing season. A particular focus will be on raised beds, small gardens, and container plants.

Workshop Name: Operating Greenhouses & Nurseries for Agriculture Programs

Presenter: Dr. Jason Davis, Assistant Dean, School of Agriculture & Biological Sciences, UMO

Date and Time: Friday, June 16, 2023, 10:00 AM EDT

CEUs: 0.2

Description: You have a school greenhouse, so what do you do with it? This online session will focus on ideas and practices to make your greenhouse a manageable and profitable program asset. Production practices, tricks, and tips will be shared to add value to your student's experience in your class.

Workshop Name: Productive, Inclusive, and Effective Meetings

Presenter: Vanessa Spiron, Adjunct Professor, University of Mount Olive

Date and Time: Tuesday, June 20, 2023, 2:00 PM EDT

CEUs: 0.1

Description: Meetings are not at the top of the list of favorite job requirements, but if designed effectively, they can be easy as PIE (Productive, Inclusive, & Effective). Productive meetings are essential for buy-in from collaborators, purpose-driven board meetings, successful community initiatives, and serving your overall purpose. This training addresses the challenges of meetings and how to narrow down the focus to creating productive and engaging meetings. Developing meeting facilitation skills also ensure that everyone's voice is heard and inclusive decisions are made through participatory decision-making. Leave this training excited to exchange ideas, problem-solve, and highlight successes in your next meeting! Make meetings easy as PIE!

Workshop Name: Agricultural Marketing

Presenter: Dr. English Ratliff, Assistant Professor of Agribusiness, UMO

Date and Time: Thursday, June 22, 2023, 10:00 AM EDT

CEUs: 0.2

Description: This workshop covers the key concepts and tools to successfully establish a marketing strategy for a business, product, or service. By scrutinizing the 4 Ps of marketing: product, price, promotion, and place, you can create a compelling marketing strategy and produce a marketing plan. We will also look at target markets and SWOT analysis for your business. We will also talk about niche marketing.

Workshop Name: Time Management Tools and Tricks

Presenter: Vanessa Spiron, Adjunct Professor, University of Mount Olive

Date and Time: Thursday, June 22, 2023, 2:00 PM EDT

CEUs: 0.1

Description: Do you want to add time to your day? Today, people are overworked, burned out, and are asked to take on more and more. Studies show that being overworked significantly affects your mental and physical well-being. You may feel like there are not enough hours in the day! This training will help you reclaim your day by teaching you to work smarter. You will learn how to incorporate time management strategies and techniques so it will feel like you are adding time back to your day.

Workshop Name: Motivating the Unmotivated

Presenter: Dr. Stephen Edwards, Associate Professor of Agricultural Education, UMO

Date and Time: Thursday, June 22, 2023, 4:00 PM EDT

CEUs: 0.1

Description: As teachers, we struggle with motivation. This workshop is an overview of the research into several major motivational theories and how we can use the research to assist us with motivating students in our classrooms and programs.

Workshop Name: Creating Soil Monoliths

Presenter: Dr. Scott Tilley, Assistant Professor of Plant Science, UMO

Date and Time: Monday, June 26, 10:00 AM EDT

CEUs: 0.2

Description: Soil monoliths are an excellent method to show and demonstrate the characteristics of soils to professionals and students. However, the creation of a soil monolith can be very challenging. However, many have found that constructing a soil monolith allows students to learn the soil's physical characteristics. Not only will students be able to see the different colors and textures when building a monolith, but they will be able to witness the diverse horizons that have formed below the surface. The following class will explain in detail the protocol needed to build and construct a soil monolith. Participants will understand the materials, methods, and labor involved. Furthermore, participants will learn how to present or hang a soil monolith to showcase for future students and classroom demonstrations.

Workshop Name: Building Leadership Capacity

Presenter: Vanessa Spiron, Adjunct Professor, University of Mount Olive

Date and Time: Monday, June 26, 2023, 2:00 PM EDT

CEUs: 0.1

Description: The need for Leadership Development is inevitable. Designed for entry-level executives to middle managers, this course focuses on several core leadership skills that every employee needs. Good leaders are essential for efficient production, positive culture, reputation, and overall company success. Course participants learn tips and tricks to fast-track their leadership development and better serve their employees, colleagues, and the company.

Workshop Name: Helpful Resources for Teaching High School Agricultural Economics

Presenter: Dr. Tom Glasgow, Adjunct Professor, University of Mount Olive

Date and Time: Wednesday, July 5, 2023, 3:00 PM

CEUs: 0.1

Description: This workshop explores opportunities for incorporating various informational resources into an agricultural economics curriculum. These resources can deepen understanding of topics such as production costs, the competitive market, strategies for reducing risk, the importance of international trade, and the value of agriculture to local communities. Resources to be addressed include the UMO Cost of Community Services studies, NC State's Crop Comparison Tool, NC State Enterprise Budgets, the WASDE report, USDA/State AG Trade Data, and the University of Missouri website, Introduction to Hedging Agricultural Commodities with Futures.

Workshop Name: Incorporating STEM Challenges into Middle School

Presenter: Janeice Leonard, UMO '18, Agricultural Teacher, South Asheboro Middle School

Date and Time: Thursday, July 6, 2023, 10:00 AM

CEUs: 0.2

Description: As middle school agriculture teachers, we always look for activities that keep our students engaged and that aren't boring to them. In this workshop, we will learn how to incorporate STEM challenges and hands-on labs into our middle school course. We will possibly cover food science, animal science, plant science, and natural resources.

Workshop Name: Introduction to Animal Science Labs

Presenter: Dr. William Farmer, Assistant Professor of Animal Science, UMO

Date and Time: Thursday, July 6, 2023, 12:00 PM EDT

CEUs: 0.2

Description: This workshop is for instructors new to Animal Science. We will discuss equipment and tools used for caring, handling, and working with animals. The workshop will also cover hands-on, easy-to-do, practical lab activities.

Workshop Name: Working Through the Grieving Process as a Teacher

Presenter: Natalie Kemp, Associate Professor of Psychology, UMO

Date and Time: Thursday, July 6, 2023, 3:00 PM EDT

CEUs: 0.1

Description: In this workshop, participants will learn about the stages of grief and the biology behind it. Research and statistics about the impact of loss and trauma will be discussed, and attendees will explore how to talk to students who have experienced loss. Additionally, practical techniques for teachers about their self-care practices for dealing with death and dying will be offered.

Workshop Name: Shop Safety for the 21st Century

Presenters: Brian Alexander, Agricultural Teacher, Rural Retreat High School, and Jonathan Grimes, Agricultural Teacher, Fort Chiswell High School; Co-owners, A&G Safety Solutions

Date and Time: Thursday, August 3, 2023, 10:00 AM EDT

CEUs: 0.1

Description: Participants will be taught the important safety points for operating a safe agricultural mechanics laboratory. Have you ever wondered if you could be held liable for an accident in your mechanics' laboratory? We will walk you through the proper procedures and practices to ensure the safety of your students. Participants will then learn the basics of good shop and equipment maintenance.

Workshop Name: Use Universal Design for Learning (UDL) to Engage Students in Career and Technical Education

Presenters: Dr. Kelly Alves, Dr. Amanda Bullard-Maxwell, and Dr. Ashley Johnson, UMO Division of Education

Date and Time: Thursday, August 3, 2023, 11:00 AM EDT

CEUs: 0.1

Description: As with other subjects, there is no “one-size-fits-all” approach to teaching CTE. Students differ markedly in their engagement and motivation, which requires personalization. With a flexible framework (like UDL) in place, teachers are equipped to deliver instruction that is inclusive and accessible. Universal Design for Learning (UDL) is a framework that can help you meet the needs of all your students. Based on brain research, UDL will help you meet the unique needs of diverse learners. This workshop will introduce participants to the principles of Universal Design for Learning and provide effective strategies for incorporating UDL into the CTE classroom to promote successful educational outcomes for all learners.

Workshop Name: Electrical Principles and Wiring Branch Circuits

Presenter: Tim Warren, Director of Agricultural Facilities and Operations, UMO

Date and Time: Thursday, August 3, 2023, 1:00 PM

CEUs: 0.2

Description: This workshop will focus on electrical equipment, wiring, appliances, and tools. The workshop will also focus on teaching branch circuits, such as parallel and series receptacles, GFCI, three-way switches, and other appliances.

Workshop Name: Going Digital: Grow what you Teach with NC Sweetpotatoes

Presenter: Vanessa Spiron, North Carolina Sweetpotato Commission

Date and Time: Thursday, August 3, 2023, 3:00 PM EDT

CEUs: 0.1

Description: The NC SweetPotato Commission is excited to offer teacher training focusing on new digital tools that work with our existing ready-for-the-classroom curriculum. These digital tools will enhance your students’ learning and engagement through various curriculum areas.

Workshop Name: Fleas 101

Presenter: Lori Beckmann, MS, LVT, Animal Science Educator, Eastern Suffolk BOCES @ Ward Technical Center

Date and Time: Friday, August 4, 2023, 10:00 AM

CEUs: 0.1

Description: This presentation will introduce the learner to basic information about the common flea. Topics covered include anatomy, life cycle, flea identification, treatment, and prevention techniques.

Workshop Name: Scavenger Hunt Assessments: Finding a More Engaging Method of Testing

Presenter: Dr. Sara Lahman, Associate Professor of Biology, UMO

Date and Time: Friday, August 4, 2023, 1:00 PM

CEUs: 0.1

Description: Are you looking to “find” a more entertaining and engaging assessment method? In this workshop, you will learn how to turn content into a scavenger hunt assessment.

Workshop Name: Study Skills for the Sciences

Presenter: Sharon Jackson, Assistant Professor of Biology, UMO

Date and Time: Tuesday, August 8, 2023, 10:00 AM

CEUs: 0.1

Description: This workshop will focus on study skills in the sciences. This will include student study habits and practices in the classroom and lab.

Workshop Name: Inquiring about Agriculture- Molecules of Life

Presenter: Amy Kidd, Agricultural Teacher, Providence Grove High School, Adjunct Instructor, UMO

Date and Time: Tuesday, August 8, 2023, 12:00 PM

CEUs: 0.1

Description: How do you teach digestion and nutrition? Do your students struggle to understand breaking down nutrients? This workshop will review the basic structures using the Lab-Aids Molecules of Life Kit.

Workshop Name: Small Ruminant Parasite Control

Presenter: Dr. Heather Glennon, Associate Professor of Animal Science, UMO

Date and Time: Tuesday, August 8, 2023, 2:00 PM

CEUs: 0.2

Description: Effective parasite control can be the difference between a successful, fun sheep or goat project and DEATH. If your students plan on showing small ruminants this year, tune in to this workshop to learn the basics of worm biology, appropriate dewormer usage, and proper grazing management. Techniques your students can master, such as FAMACHA and fecal egg counting, will also be demonstrated.

Workshop Name: Impact of AI on Academics

Presenter: Dr. Mickael Cariveau, Associate Professor of Biology, UMO

Date and Time: Thursday, August 10, 2023, 10:00 AM

CEUs: 0.1

Description: This workshop will introduce participants to the world of artificial intelligence and its impacts on academics. What’s right, what’s wrong, and how do we control it and use it to our benefit? What impacts will it have on today’s youth and our society? Is Skynet really taking over?

Workshop Name: A World of Opportunities- Taking Your Program International

Presenter(s): John Byers, Agricultural Teacher, North Brunswick High School & Shelley Armour, Agricultural Teacher, D. H. Conley High School

Date and Time: Thursday, August 10, 2023, 1:00 PM EDT

CEUs: 0.2

Description: Even though we constantly travel with our students, taking them internationally can cause anxiety. What if something happens? We don't speak the same language as Country X! What if we get lost? This workshop is designed to give you an educator's perspective on travel and answer at least some of your questions. John and Shelley will share their experiences with adding international travel into their programs and how it has impacted their students.

Workshop Name: Teaching the FFA Creed

Presenters: Dr. Stephen Edwards, Associate Professor of Agricultural Education, UMO; Joseph Noble, Assistant Principal, Jones County High School; and Rachel Noble, 2022 National FFA Creed CDE Winner

Date and Time: Thursday, August 10, 2023, 4:00 PM EDT

CEUs: 0.1

Description: "I believe in the future of agriculture..." are some of the first words we hear in an agricultural classroom, but why are those words so challenging to teach our students? This workshop will focus on teaching the creed and how to get the best student to represent your chapter.

Zoom Links for all Workshops

Last year, we had trouble sending and receiving emails from some school districts. To assist everyone, we have included the Zoom links for all 26 workshops. The passcode for all of the workshops is **UMO**.

June

June 13 - Pruning Basics

<https://umo.zoom.us/j/98845226957?pwd=NmZ6ZnMweVN5REVQUXYvak5UcEVpdz09>

June 13 - Hydroponics: Get to Growing

<https://umo.zoom.us/j/97974243133?pwd=cDFtcU43WxE4WVc4UWdiRkNaWmNHQT09>

June 14 - Growing Fruits & Veggies in Your Agriculture Program

<https://umo.zoom.us/j/93529805065?pwd=UmU4empRcGcyTIV4T3dvVTQ0UkFRQT09>

June 16 - Operating Greenhouses & Nurseries for Agriculture Programs

<https://umo.zoom.us/j/92732205609?pwd=TU5UMmE1aDVtUHd5d2RCTTB4Qk8xZz09>

June 20 - Productive, Inclusive, and Effective Meetings

<https://umo.zoom.us/j/93686043453?pwd=YUx0YjkyMHN5Y0hsellsbHBhYWdGQT09>

June 22 - Agricultural Marketing

<https://umo.zoom.us/j/95910044487?pwd=WU9YQmowSDBwWW5HTEVYb0dWNFdTQT09>

June Continued

June 22 - Time Management Tools and Tricks

<https://umo.zoom.us/j/95810905128?pwd=dTJYemRhS1B1VVQxc0crZm1kK0Mwdz09>

June 22 - Motivating the Unmotivated

<https://umo.zoom.us/j/99680387168?pwd=NXk5bHJuZXJ5ZW1Kb1ArQm12NXVRZz09>

June 26 - Creating Soil Monoliths

<https://umo.zoom.us/j/99320902051?pwd=VjIMOTThQNIIOk1VEaU1yUFo1QkMwUT09>

June 26 - Building Leadership Capacity

<https://umo.zoom.us/j/93757066624?pwd=VVIVcm1yRWWhQMEJYVXpDMTUydlUyQT09>

July

July 5 - Helpful Resources for Teaching High School Agricultural Economics

<https://umo.zoom.us/j/91815470024?pwd=K0JaT1Jjd0VzNUtpUS8rRHAwWnNRQT09>

July 6 - Incorporating STEM Challenges into Middle School

<https://umo.zoom.us/j/97585177399?pwd=RktvQXBscHkvQllad1d2dWhXck4vUT09>

July 6 - Introduction to Animal Science Labs

<https://umo.zoom.us/j/94793038725?pwd=MkNLczdnQjcyRjY0K3kyVnFrVEVtQT09>

July 6 - Working Through the Grieving Process as a Teacher

<https://umo.zoom.us/j/93071655264?pwd=WFUxSncwdnZVZHZEbUtGSFV6anVoZz09>

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August

August 3 - Shop Safety for the 21st Century

<https://umo.zoom.us/j/99957011354?pwd=Mkw4ZHVIWHAXWS9EY0dzQkJYm1RLZz09>

August 3 - Use Universal Design for Learning (UDL) to Engage Students in Career and Technical Education

<https://umo.zoom.us/j/99663178134?pwd=YnpYY3R1enNaaS9lNfc2ZnNzZnB1Zz09>

August 3 - Electrical Principles and Wiring Branch Circuits

<https://umo.zoom.us/j/98452095733?pwd=Y0hGQ3plTXN0YVludXF5OHdETHBSdz09>

August 3 - Going Digital: Grow what you Teach with NC Sweetpotatoes

<https://umo.zoom.us/j/96057125082?pwd=bmpWRnh1bHIMREhDZ2hlU3hSM3IMUT09>

August 4 - Fleas 101

<https://umo.zoom.us/j/98442687900?pwd=QZ25R2o5ZU1YSElvVXhqVDZIN0h4UT09>

August 4 - Scavenger Hunt Assessments: Finding a More Engaging Method of Testing

<https://umo.zoom.us/j/93670950194?pwd=MDlvQnBWVnUxcjI4Q3d4azdKdHE1Zz09>

August 8 - Study Skills for the Sciences

<https://umo.zoom.us/j/95756805527?pwd=eDI2RmMrQlBmYlFlnmNGZ3YrNWtrQT09>

August 8 - Inquiring about Agriculture- Molecules of Life

<https://umo.zoom.us/j/94410455990?pwd=cElmdXdhVDJ5aWdOU0hWVmQ4Um1HZz09>

August 8 - Small Ruminant Parasite Control

<https://umo.zoom.us/j/94010958935?pwd=K1ZPbXF0SXNVNHduc2xIQzdLMEZvZz09>

August 10 - Impact of AI on Academics

<https://umo.zoom.us/j/92205700919?pwd=L1NubWZNOVU0NG95U3o3c3BhUXluQT09>

August 10 - A World of Opportunities- Taking Your Program International

<https://umo.zoom.us/j/99321091475?pwd=cHdPTlQzZVhLbzlWTkxZUmhObUJvZz09>

August 10 - Teaching the FFA Creed

<https://umo.zoom.us/j/92861500769?pwd=M3B3bkUxTVlvNS9ES3NXUzdYWEJdZz09>