



Agricultural Safety and Health: The Core Course

June 10-14, 2019

UI College of Public Health Building, 145 N. Riverside Drive, Iowa City, IA, 52242

Networking Reception - Monday, June 10, 2019 - 4:00-6:00 pm

*The Agricultural Safety and Health Core Course has been the national model of effective agricultural safety and health education for over a decade. Expert instruction is provided by experienced faculty and specialists including **Board Certified Physicians, Veterinarians, and Certified Industrial Hygienists.***

Course Includes

- *Interactive Activities*
- *Safety and Rescue Demonstrations*
- *Classroom Instruction*
- *Farm Tours*
- *Research Poster Display*
- *Case Studies*
- *Panel Discussions*
- *Producer Perspectives*

"Learning this subject matter by people in the field carried so much weight. I got a perspective I had little experience with."

- Physician

"Amazing program, high quality content."

- Health educator and farmer/rancher

"Very good program, learned many things I didn't know."

- Veterinarian

"I will certainly recommend this program to health care professionals."

- Pharmacist

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General Information

STATEMENT OF PURPOSE

The course provides the information and skills needed to enable safety and health professionals to anticipate, recognize, and prevent occupational illnesses and injuries among members of the agricultural community.

INTENDED AUDIENCE

Appropriate for safety and health managers, health care providers, public health practitioners, veterinarians, and anyone interested in the unique safety and health needs of rural and agricultural communities.

COURSE DIRECTOR

Diane Rohlman, PhD, Associate Professor, Department of Occupational and Environmental Health, University of Iowa College of Public Health.

ACADEMIC CREDIT

Sessions 1 and 2 combined may be taken for 3 hours of graduate credit from the University of Iowa College of Public Health. Students must register for OEH:6110, Rural Health and Agricultural Medicine (Summer Session 2019).



CONTINUING EDUCATION

Physicians

Attendees seeking *AMA PRA Category 1 Credit*[™] will self-claim their credits and print their certificates at the conclusion of the conference via the UI College of Medicine's CME Portal. Instructions will be provided at check-in.

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the University of Iowa Carver College of Medicine and the University of Iowa College of Public Health. The Carver College of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

The University of Iowa Carver College of Medicine designates this live activity for a maximum of 32.75 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Session 1 – June 10-12, 2019: 15.50 *AMA PRA Category 1 Credits*[™]

Session 2 – June 12-14, 2019: 17.25 *AMA PRA Category 1 Credits*[™]

DISCLOSURE POLICY: Everyone in a position to control the content of this educational activity will disclose to the CME provider (University of Iowa Carver College of Medicine) and to attendees all relevant financial relationships with any commercial interests.

Nurses

This program is offered in cooperation with the University of Iowa College of Nursing, an Iowa Board of Nursing approved provider, Number 1. Full time attendance for Session 1, 15.5 contact hours will be awarded. Full time attendance for Session 2, 17.25 contact hours will be awarded. CEU cards will not be accepted until the end of the third day of each session.

Veterinarians

The Iowa Board of Veterinary Medicine has approved this program for 31.25 CEU.

Emergency Medical Services

The program has been approved for EMS Continuing Education Hours by the University of Iowa Hospital's EMS Learning Resources Center, Iowa Approved Provider #18. The EMSLRC designates Session 1 of this activity for 14.75 Optional Hours and Session 2 of this activity for 14.5 Formal Hours.

General CEUs

General CEUs will be awarded by the UI Center for Conferences. Attendance for the full week awards a total of 32.75 contact hours for 3.3 General CEUs.

Successful completion of this course allows qualified participants to join AgriSafe[®] as a Certified Member. AgriSafe[®] benefits include technical assistance, clinical resources, continuing education, and networking.

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Educational Objectives

Upon completion of Session 1, the participant should be able to:

- Describe the incidence and impact of injury and illness among agricultural workers.
- Apply the industrial hygiene paradigm (anticipate, recognize, evaluate, and control) to occupational hazards among agricultural workers.
- Identify the hazards associated with agricultural transportation activities, with emphasis on tractors, ATVs/UTVs, commodity transport, and public roadway use.
- Access available resources for promoting rural safety and health.
- Discuss current research efforts to promote safety and health in agricultural and rural communities.
- Apply the hierarchy of controls to mitigate hazards associated with farm equipment and recommend strategies to mitigate occupational hazards.
- Identify emergency rescue methods appropriate to agricultural hazards and events.
- Explain what role healthcare providers can have in reducing injuries and illness in agricultural populations.
- Identify hazards in youth case scenarios and apply methods of prevention.
- Recognize lung and skin illness that occur as a result of agricultural activities and apply strategies for their prevention.
- Recognize routes of disease transmission and describe how to prevent and control the impact of zoonotic and infectious diseases.



Upon completion of Session 2, the participant should be able to:

- Identify hazards associated with livestock production and recommend prevention strategies.
- Describe agricultural work factors associated with psychosocial stress.
- Apply NIOSH Total Worker Health principles to promote the health, safety and well-being of agricultural workers.
- Recognize risk factors for upper extremity and low back musculoskeletal disorders among agricultural workers.
- Recognize musculoskeletal illness that occur as a result of agricultural activities and apply strategies for their prevention.
- Recognize pesticide exposure scenarios and recommend methods to limit exposure.
- Observe farm activities and identify potential risk factors for injury and illness.
- Apply the hierarchy of controls to farm hazard scenarios and recommend strategies to mitigate occupational hazards.
- Describe exposures to physical agents and their associated health effects experienced by agricultural workers.
- Summarize available evidence linking agricultural work and cancer outcomes.
- Describe characteristics of agricultural workers that affect prevention efforts.



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Course Schedule*

SESSION 1 JUNE 10-12, 2019

Monday, June 10, 2019

- 8:00 am Registration and Pretest
8:15 Welcome and Announcements
8:30 Course Introduction and Overview of Agricultural Regulations (Rohlman)
9:45 Break
10:00 Occupational Safety and Health in Agriculture (Rohlman)
11:15 Transportation Hazards in Agriculture – Part 1 (Rohlman)
12:00 Lunch Break
1:15 pm Transportation Hazards in Agriculture – Part 2 (Rohlman and Jennissen)
2:45 Break
3:00 Rural Health and Safety: The Employer Perspective Panel Discussion
4:00 Networking Reception and Poster Session CPHB 1st Floor Atrium
6:00 Recess

Tuesday, June 11, 2019

- 8:00 Poster/Research Discussion
8:30 Depart for National Education Center for Agricultural Safety (NECAS) Site Visit
10:00 Arrive at NECAS/ Introduction to NECAS (Neenan)
10:15 Agricultural Trauma (Neenan)
12:15 pm Lunch Break
1:15 Integrating Agricultural Health Care (Halvorsen)
2:00 NECAS Safety and Rescue Demonstrations (Neenan)
4:00 Depart for Iowa City
5:30 Recess (approximate arrival time in Iowa City)

Wednesday, June 12, 2019

- 8:00 Occupational Diseases of the Lungs in Agricultural Settings (Rupe)
9:00 Break
9:15 Occupational Skin Disorders in Agriculture (Rupe)
10:15 Case Study (Rohlman)
11:00 Implementing Prevention Practices Based on Biological Risk Assessment (Bickett-Weddle)
12:30 pm Adjourn Session I - Lunch Break

SESSION 2 JUNE 12-14, 2019

Wednesday, June 12, 2019

- 1:00 pm Registration for those attending Session II only
1:45 Hazards Associated with Livestock (Janssen)
3:15 Break
3:30 Behavioral Health in Agricultural Populations and Total Worker Health (Rohlman)
 - Behavioral Health Case Scenarios
 - Lecture5:30 Recess

Thursday, June 13, 2019

- 8:00 Ergonomics in Agriculture (Fethke)
9:15 Musculoskeletal Disorders among Agricultural Workers (Buikema)
10:30 Break
10:45 Pesticides (Rohlman)
12:15 pm Lunch Break
1:30 Depart for Farm Tour
2:30 Farm Tour (Rohlman)
5:00 Depart for Iowa City
6:00 Recess (approximate arrival time in Iowa City)

Friday, June 14, 2019

- 8:00 Telling the Story: Agricultural Injuries and Fatalities (Leonard)
9:00 Physical Agents (Nonnenmann)
10:00 Break
10:15 Use and Selection of Personal Protective Equipment (Sheridan)
11:45 Lunch Break
1:00 pm Cancer in Agricultural Populations (Davis)
2:00 Prevention of Illness and Injury in Agricultural Populations (Rohlman)
3:15 Rural Health and Telemedicine in Rural Communities (Ward)
4:30 Final Questions and Review of Session II (Rohlman)
4:45 Adjourn

*Schedule is subject to change

Participants may attend one or both sessions. Individuals taking the course for college credit must complete both sessions.

Casual attire is appropriate for this conference. The course includes a farm safety educational center tour and farm tour. Please plan appropriate outdoor attire, including rain gear.

The University of Iowa prohibits discrimination in employment, educational programs, and activities on the basis of race, national origin, color, creed, religion, sex, age, disability, veteran status, sexual orientation, gender identity, or associational preference. The University also affirms its commitment to providing equal opportunities and equal access to University facilities. For additional information contact the Office of Equal Opportunity and Diversity, 319-335-0705. Individuals with disabilities are encouraged to attend all University of Iowa sponsored events. If you are a person with a disability who requires an accommodation in order to participate in this program, please contact Kay Mohling in advance at (319) 335-4219.

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Location and Course Registration

The course will be held in Room C217, College of Public Health Building (CPHB) at the University of Iowa, 145 N. Riverside Drive, Iowa City, IA. Public parking is available at prevailing rates in the Newton Road Parking Ramp, across the street from CPHB.

Directions to College of Public Health Building: From Interstate 80, take the Dubuque Street exit (Exit 244). Travel south on Dubuque Street, turn right onto Park Road, and left onto N. Riverside Drive. At the stop, continue straight on N. Riverside Drive, take the next right on the CPHB driveway, just before the Art West Building.



Directions to Newton Road Parking Ramp: From Interstate 80, take the Coralville exit (Exit 242). Travel south on 1st Ave., turn left on 2nd Street, take slight right onto Newton Road, travel 0.7 miles, the Newton Road Parking Ramp will be on the left.

Please allow extra time for parking and traffic conditions.

Visit the Iowa City/Coralville Area Convention and Visitors Bureau at www.thinkiowacity.com for lodging options.

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Registration Form (PRE-REGISTRATION IS REQUIRED)

Name _____ Organization _____
Degree _____ Specialty _____ Address _____
City _____ State _____ ZIP _____ Phone _____ E-mail _____

Attendee name and email will be included on participant list to facilitate networking, unless the refusal below is checked.

Do not place my name/email on conference participant list.

Registration Fee On or before 5/10/2019 After 5/10/2019

Session 1: June 10-12 \$250 \$300

Session 2: June 12-14 \$250 \$300

Full Week \$500 \$600

Total Enclosed \$ _____

Registration fee includes course materials, awarding of continuing education credit and parking during course hours at the Newton Road Parking Ramp.

Mail: The University of Iowa Center for Conferences, 250 CEF, Iowa City, IA 52242

Phone: 800-551-9029 or 319-335-4141 Fax: 319-335-4039

Web: <https://centerforconferences.uiowa.edu/agricultural-safety-and-health-core-course-0>



Payment Methods

Check (make payable to The Center for Conferences)

Charge to: VISA MasterCard Card Number _____ Exp. Date _____

Authorizing Signature _____

Refund Policy: If circumstances arise and you are unable to attend, please notify us of your registration cancellation by June 3, 2019. You will be reimbursed \$100 per session.

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Course Faculty

Diane Rohlman, PhD, Course Director

Associate Professor, Department of Occupational and Environmental Health, The University of Iowa College of Public Health

Danelle Bickett-Weddle, DVM, MPH, PhD, DACVPM

Associate Director, The Center for Food Security & Public Health, Iowa State University

Brenda S. Buikema, MD, MPH

Clinical Assistant Professor, Internal Medicine - Pulmonary, Critical Care and Occupational Medicine, The University of Iowa Carver College of Medicine
Clinical Assistant Professor, Department of Occupational and Environmental Health, The University of Iowa College of Public Health

Jonathan Davis, PhD

Postdoctoral Research Scholar, University of Iowa Injury Prevention Research Center, The University of Iowa College of Public Health

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Associate Professor, Department of Occupational and Environmental Health, The University of Iowa College of Public Health

Charlotte Halverson, BSN, COHN-S

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Brandi Janssen, PhD

Clinical Assistant Professor, Department of Occupational and Environmental Health, The University of Iowa College of Public Health

Charles Jennissen, MD

Clinical Professor of Emergency Medicine, Clinical Professor of Pediatrics, The University of Iowa Carver College of Medicine

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Occupational Safety Manager, Worksafe Iowa, Department of Occupational and Environmental Health, The University of Iowa College of Public Health

Dan Neenan, MBA, Paramedic

Director, The National Education Center for Agricultural Safety (NECAS), Safety, Transportation, and EMS

Matt Nonnenmann, PhD, CIH

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Kerri Rupe, ARNP, FNP-C, COHN-S, DNP, FAANP

Clinical Professor, Director, Family Nurse Practitioner Program, The University of Iowa College of Nursing

Carolyn Sheridan, RN, BSN

Founder, President, Ag Health and Safety Alliance

Marcia M. Ward, PhD

Professor, Department of Health Management and Policy; Director, Center for Health Policy and Research; Director, Rural Telehealth Research Center, The University of Iowa College of Public Health

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