

Agricultural Safety and Health: The Core Course

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

June 11-15, 2018



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

Course Includes

- *Classroom Instruction*
- *Farm Tours*
- *Safety and Rescue Demonstrations at the National Education Center for Agricultural Safety (NECAS)*
- *Grain and Livestock-based Safety and Health Activities*
- *Networking Reception*
- *Research Poster Display*
- *Case Studies*
- *Panel Discussions*
- *Networking Opportunities*



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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 2018).

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 33.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Session 1 – June 11-13, 2018: 16.25 *AMA PRA Category 1 Credits™*

Session 2 – June 13-15, 2018: 17.00 *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 will award 17 contact hours. Session 2 will award 17.5 contact hours. CEU cards will not be accepted until the end of the third day of each session.

Veterinarians

Pending approval application has been made to the Iowa Board of Veterinary Medicine for continuing education credit.

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 13.5 optional hours and Session 2 of this activity for 18.75 optional hours.

General CEUs

General CEUs will be awarded by the UI Center for Conferences. Session 1 and 2 have each been approved for 16 contact hours for 1.6 General CEUs. Attendance for the full week awards a total of 32 contact hours for 3.2 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.
- Summarize available evidence linking agricultural work and cancer outcomes.
- Apply the hierarchy of controls to mitigate hazards associated with farm equipment.
- Identify emergency rescue methods appropriate to agricultural hazards and events.
- 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 recommend strategies for prevention of zoonotic 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.
- Apply the hierarchy of controls to farm hazard scenarios.
- Observe farm activities and identify potential risk factors for injury and illness.
- Describe exposures to physical agents and their associated health effects experienced by agricultural workers.
- Describe characteristics of agricultural workers that affect prevention efforts.
- Identify the unique healthcare needs of rural communities.



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Course Schedule



SESSION 1 JUNE 11-13, 2018

Monday, June 11, 2018

- 7:45 am Registration and Continental Breakfast
- 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 Agricultural Health Resources Panel Discussion
- 4:00 Networking Reception - CPHB 1st Floor Atrium
- 6:00 Recess

Tuesday, June 12, 2018

- 7:45 am Continental Breakfast
- 8:00 Cancer in Agricultural Populations (Gerr)
- 9:00 Depart for National Education Center for Agricultural Safety (NECAS) Site Visit
- 10:30 Arrive at NECAS/ Introduction to NECAS (Neenan)
- 10:45 Agricultural Trauma (Neenan)
- 12:45 pm Lunch Break
- 1:45 Case Studies (Rohlman)
- 2:45 NECAS Safety and Rescue Demonstrations (Neenan)
- 4:45 Depart for Iowa City
- 6:15 Recess (approximate arrival time in Iowa City)

Wednesday, June 13, 2018

- 7:45 am Continental Breakfast
- 8:00 Occupational Diseases of the Lungs in Agricultural Settings (Gerr)
- 9:30 Break
- 9:45 Occupational Skin Disorders in Agriculture (Gerr)
- 11:00 Implementing Prevention Practices Based on Biological Risk Assessment (Bickett-Weddle)
- 12:30 pm Adjourn Session I - Lunch Break

SESSION 2 JUNE 13-15, 2018

Wednesday, June 13, 2018

- 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)
- 5:15 Recess

Thursday, June 14, 2018

- 7:45 am Continental Breakfast
- 8:00 Ergonomics in Agriculture (Nonnenmann)
- 9:15 Musculoskeletal Disorders among Agricultural Workers (Gerr)
- 10:30 Break
- 10:45 Pesticides (Rohlman)
- 12:15 pm Lunch Break
- 1:30 Depart for Farm Tour
- 1:30 Case Study (Rohlman)
- 2:30 Farm Tour (Rohlman and Nonnenmann)
- 5:00 Depart for Iowa City
- 6:00 Recess (approximate arrival time in Iowa City)

Friday, June 15, 2018

- 7:45 am Continental Breakfast
- 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 Prevention of Illness and Injury in Agricultural Populations (Rohlman)
- 2:00 Rural Health: The Practitioner Perspective Integrating Agricultural Health Care (Sheridan)
- 2:45 Rural Health and Safety: The Employer Perspective (local producer)
- 3:30 Final Questions and Review of Session II (Rohlman)
- 3:45 Adjourn

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 tours. Please plan appropriate outdoor attire, including rain gear.

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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.

Parking and traffic conditions at The University of Iowa can be challenging, please allow extra time.

Visit the Iowa City/Coralville Area Convention and Visitors Bureau at www.iowacitycoralville.org 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 5/12/2018 After 5/12/2018

Session 1: June 11-13 ☐ \$250 ☐ \$300

Session 2: June 13-15 ☐ \$250 ☐ \$300

Full Week ☐ \$500 ☐ \$600

Total Enclosed \$ _____

*Registration fee includes course materials
continental breakfasts, 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>

Payment Methods

Check (make payable to The Center for Conferences)

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

Authorizing Signature _____



GREAT PLAINS
Center for Agricultural Health

Refund Policy: If circumstances arise and you are unable to attend, please notify us of your registration cancellation by June 1, 2018. You will be reimbursed \$100 per session.

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Course Faculty

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*

Fred Gerr, MD

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

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*

Stephanie Leonard, MS

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

Dan Neenan, MBA, EMT-P

*Director
The National Education Center for Agricultural Safety*

Matt Nonnenmann, PhD, CIH

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

Carolyn Sheridan, RN, BSN

*Founder, President
Ag Health and Safety Alliance*

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