

Human Factors Engineering

1 Who Should Attend . . .

This seminar is a must for anyone concerned about health and safety on the job including:

- ▶ Managers concerned about workers' compensation costs.
- ▶ Employees who want to learn proper techniques for protecting their safety and health at work.
- ▶ Business owners who want to learn about compliance with Michigan Occupational Safety and Health Administration (MIOSHA).

2 MIOSHA Training Institute

MIOSHA Consultation Education and Training (CET) Division and Macomb Community College (MCC) have developed the MIOSHA Training Institute (MTI) through a formal alliance. The MTI introduced an Assessment-Based Certificate program, effective October 1, 2007. The certificate program offers participants an opportunity to be recognized for their educational efforts and increased technical expertise. Courses are offered throughout the state in sponsorship with other M-TECSM facilities, community colleges, and safety and health organizations. To learn more about the certificate program, log-on to the CET Division website at www.michigan.gov/mti.

3 What You'll Learn . . .

This program is designed to provide a basic understanding of human factors engineering, otherwise known as "ergonomics," and the implementation of a successful ergonomics program. Upon defining some key terminology and discussing some background information, this seminar will then identify common ergonomic disorders and primary risk factors. The importance for building a case for implementing an ergonomics program and the elements of an ergonomics program will also be covered. Attendees will then learn how to perform incidence rate calculations followed by a presentation on MIOSHA's ergonomic initiatives. Additionally, ergonomic risk factor identification will be emphasized through use of a video and a class exercise. Another class exercise will present methods for analyzing workplace records to establish the need for implementing an ergonomics program. Attendees will also be provided with a variety of ergonomic resources.

Agenda

We offer a flexible program agenda to emphasize the safety and health topics you want most.

- ▶ Define "ergonomics" and "WMSD."
- ▶ Identify:
 - ▶ Ergonomic disorders and risk factors.
 - ▶ Basic ergonomic solutions.
 - ▶ Importance of building a case for an ergonomics program.
 - ▶ Elements of an ergonomics program.
 - ▶ Calculation of ergonomic incident rates.
 - ▶ MIOSHA ergonomic initiatives.

Required Class For
Occupational Health
Level Two
MTI Certificate

New

MIOSHA Education Training Materials Have Gone Electronic

MIOSHA Training Institute (MTI) has changed the delivery of its printed education materials to an electronic format.

The student training manual and course reference materials will be provided in electronic format via email for students to download and print before class if they wish.

No hard copy textbook will be provided at the class. Upon arrival at class, each student will also receive a flash drive containing these materials which is theirs to keep. If you wish to bring a copy to class, you have the option to **download and/or print** the course materials in advance.

Important: When registering for this class, please provide your complete email address.

Remember to download your course handouts ahead of time!

Frequently Asked Questions

Q: Will I be able to print my materials at the seminar or workshop?

A: No printing services will be available. Print or download the presentation slides before you arrive for the class.

Q: What electronic format will the handouts be in?

A: All materials will be available as PDF documents.

Q: Will I be able to charge my device at the seminar or workshop?

A: We recommend that your device is fully charged before you arrive. Charging stations may not be available in the classroom.

Q: What happens if I do not receive an email?

A: In the unlikely event that you do not receive the link via email, please call the contact number listed on the next page for assistance.



Facilitator

Dave Humenick joined the MIOSHA CET Division in October of 2003. Prior to coming to CET he served as an Industrial Hygienist in the MIOSHA Enforcement program for 11 years where he investigated complaints and accidents in all types of places of employment.

Before his employment with the State of Michigan, Dave was a corporate Industrial Hygienist for seven years with a prominent fortune 250 company which had over 10,000 employees throughout the US and Canada. His responsibilities included training and compliance with MIOSHA and Federal Health and Safety Standards.

Dave holds a B.S. degree in Occupational Safety and Health from Ferris State University where he majored in Industrial Hygiene with a minor in Safety.



David A. Humenick
Senior Industrial Hygienist,
MIOSHA, CET Division

Program Details

DATE: August 15, 2018
LOCATION: Grand Valley State University
Holland Meijer Campus
515 S. Waverly Road, Room 104
Holland, Michigan 49423
COST: \$120 per person.
Includes sandwich lunch and course materials.
Certification/Maintenance Points Available

TIME: Check-in - 8:30 a.m.
Program - 9:00 a.m. to 3:30 p.m.
DEADLINE: Register by August 8, 2018
Please register early!
CONTACT: Eric Packer - 616-331-7180,
or ceinfo@gvsu.edu

Inclement Weather Line: 616-331-2020

COSPONSOR: Grand Valley State University Center for Adult & Continuing Studies

How to Register

Human Factors Engineering

To Register and Pay by Check or Money Order

- ▶ **Email:** ceinfo@gvsu.edu
- ▶ **Mail:** Grand Valley State University
Center for Adult & Continuing Studies
301 W. Fulton, EC 718
Grand Rapids, MI 49504-6495
Attn: Eric Packer

To Register and Pay By Credit Card

- ▶ **Web:** www.gvsu.edu/training
Click: MIOSHA Safety Courses
Click: MIOSHA Course Schedule
- ▶ **Phone:** 616-331-7180

Complete Separate Registration Form For Each Attendee

Name: _____
Company Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____ Fax: _____
Email: _____
(Needed for Registration)

**Please make check or money order payable to:
Grand Valley State University**

The meeting site and parking is accessible. Individuals attending the meeting are requested to refrain from using heavily scented personal care products, in order to enhance accessibility for everyone. People with disabilities requiring additional services (such as materials in alternative format) in order to participate in the meeting should call 517-284-7720 at least 30 days before the program. The Department of Licensing and Regulatory Affairs is an equal opportunity employer/program.