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General Information

Dates: July 13-17, 2015

Place: Lowell Center
610 Langdon Street
Madison, WI 53703

Phone: 608/256-2621

Conference Housing

Blocks of rooms are reserved at the Lowell Center and the DoubleTree Hotels. For further details, please visit the Hotels tab at <http://cqpi.wisc.edu/SEIPS-short-course.htm>

The Lowell Center - Madison

This accommodation is conveniently located within the course facility.
610 Langdon Street, Madison, WI 53703
Phone: 608/256-2621 or 866/301-1753
email: lowell@ecc.uwex.edu
Rates: \$109

Click on the Hotel tab at <http://cqpi.wisc.edu/SEIPS-short-course.htm> for reservation details. Reservations must be made prior to June 12, 2015. Please reference group code: SEIPS.

DoubleTree® Hotel – Madison

525 West Johnson Street, Madison, WI 53703
Phone: 608/251-5511 or 800/222-8733
Rates: \$139
Click on the Hotel tab at <http://cqpi.wisc.edu/SEIPS-short-course.htm> for reservation details. Reservations must be made by June 12, 2015. Please reference group code: SSC.

Conference Fees

- \$2500 - first registrant from an organization
- \$2300 - each additional registrant from the same organization

The conference fee includes the cost of tuition, materials, two receptions, breakfasts, refreshment breaks, lunches, and a nonrefundable processing fee of \$50. Should you cancel your registration up to 72 hours prior to the conference, you will be refunded the entire conference fee except the \$50 nonrefundable portion. No refunds will be made after that time. Prepayment is required.

Four Easy Ways To Register

On Line: Go to www.ocpd.wisc.edu/course_ catalog. Click on "SEIPS Short Course on Human Factors Engineering and Patient Safety."

By Mail: Return your completed registration form and payment (Steps 1-4 Registration Form).

By Phone: 608/262-1397
Please call and give your billing information or pay by MasterCard, VISA, or American Express.

By Fax: 1-800/741-7416
(in Madison Fax 265-3163)

Confirmations

All registrations are confirmed via email. If you do not receive a confirmation, please call 608/262-1397.

Conference Attire

Since meeting room temperatures and personal comfort levels vary, we recommend that you bring a sweater or jacket.

For Further Information

Teresa Thuemling

Center for Quality and Productivity Improvement
3130 Engineering Centers Building
1550 Engineering Drive
Madison, WI 53706
Phone: 608/263-2520; Fax: 608/263-1425
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Terese Bailey

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Accreditation Statement

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 Wisconsin School of Medicine and Public Health and the University of Wisconsin-Madison, Center for Quality and Productivity Improvement (CQPI). The University of Wisconsin School of Medicine and Public Health is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement

The University of Wisconsin School of Medicine and Public Health designates this live activity for a maximum of 33.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Continuing Education Units

The University of Wisconsin-Madison, as a member of the University Continuing Education Association (UCEA), authorizes this program for 3.35 continuing education units (CEUs) or 33.5 hours.

Policy on Disclosure

It is the policy of the University of Wisconsin School of Medicine and Public Health that the faculty, authors, planners, and other persons who may influence content of this CME activity disclose all relevant financial relationships with commercial interests in order to allow CME staff to identify and resolve any potential conflicts of interest. Faculty must also disclose any planned discussion of unlabeled/unapproved uses of drugs or devices during their presentation(s). Detailed disclosures will be made in the activity handout materials.

Registration Form

#9012 ame-cqpi

SEIPS Short Course on Human Factors Engineering and Patient Safety: Human Factors and Sociotechnical Systems Engineering

July 13-17, 2015

Please complete Steps 1-4 below in BLOCK letters

Step 1. Participant Information: (PLEASE PRINT CLEARLY)

Name _____
First MI Last

Professional Degree (for credit & name badge) _____

Organization Name _____

Dept. Name or Mail Code _____

Work Address _____

City, State, Zip _____

Day Phone _____

FAX _____

E-mail of registrant (required) _____

I request vegetarian options for my meals.

Step 2. Registration Fees (Prepayment is required):

\$2500 - first registrant from an organization

\$2300 - each additional registrant from the same organization

TOTAL FEE REMITTED:

____ PO or check enclosed (payable to University of Wisconsin)

____ Credit Card: MasterCard; VISA; American Express

Cardholder's Name _____

Card Number _____

Expiration Date _____

Step 3. Where did you learn about this short course? *Check all that apply*

Colleague Brochure Advertisement Internet Other _____

Step 4. Please return your payment with this form to:

CME Specialist
The Pyle Center
702 Langdon Street
Madison, WI 53706
or Fax: 1-800/741-7416
(in Madison Fax: 265-3163)

The University of Wisconsin provides equal opportunities in employment and programming, including Title IX requirement.

The University of Wisconsin School of Medicine and Public Health fully complies with the legal requirements of the ADA and the rules and regulations thereof. If any participant in this educational activity is in need of accommodations, please notify Teresa N. Thuemling in order to receive service. Please call 608/263-2520.

Quotes from past course attendees:

"Thanks again for the exceptional experience. The class is really life/mind changing as evidenced by coming back to a potential event and my first thought was not, who messed up, rather I wonder what else was going on, how many lines were running etc, etc!"

"Thank you so much! What a wonderful course. Eye opening, provoking, exciting! What a wonderful opportunity to network and learn from each other."

"Thanks for all these materials, and thanks again for the wonderful course - I very much enjoyed it. So yes, the course has changed the way I look at things..."

"Once again your focus on participant experience was exemplary! Thank you. Discussions of examples were very rich and helpful."

"I will advocate more boldly for strong, work system-based quality improvement and patient safety implementations."

"This is a tremendous short course. The instruction and resources you provided us are tremendously helpful."

"Awesome course! Top-notch organization and instruction. Thank you for a successful and valuable week of learning!"

"What a great experience. I felt as though I had returned to college! The beautiful university setting, the outstanding professors...great course!"

Systems Engineering Initiative for Patient Safety (SEIPS) Short Course on Human Factors Engineering and Patient Safety: Human Factors and Sociotechnical Systems Engineering

Please Route to:

- PATIENT SAFETY OFFICER
- QUALITY IMPROVEMENT
- RISK MANAGEMENT
- MEDICAL INFORMATICS/HEALTH INFORMATION TECHNOLOGY
- INFECTION PREVENTION



THE UNIVERSITY OF WISCONSIN-MADISON



July 13-17, 2015
Lowell Center, University of Wisconsin-Madison

SEIPS Short Course on Human Factors Engineering and Patient Safety: Human Factors and Sociotechnical Systems Engineering

This five-day course for professionals presents nationally recognized speakers discussing a variety of Human Factors Engineering (HFE) and Patient Safety topics including:

- Human Factors Engineering
- Sociotechnical Systems and Macroergonomics
- Cognitive Ergonomics
- Work System Redesign and Implementation
- And more...

For short course schedule and registration information go to: <http://cqpi.wisc.edu/SEIPS-short-course.htm>

Jointly provided by the University of Wisconsin-Madison Center for Quality and Productivity Improvement (CQPI) and the University of Wisconsin School of Medicine and Public Health, Office of Continuing Professional Development in Medicine and Public Health

CQPI

To rise to the challenge of the international quality revolution, the Center for Quality and Productivity Improvement (CQPI), a research center, was founded in October of 1985. Since its inception, CQPI has been at the forefront in the development of new techniques for improving the quality of products and processes.

Today, CQPI's Systems Engineering Initiative for Patient Safety (SEIPS) is the foremost leader in comprehensively applying Human Factors and Systems Engineering to the patient safety challenge. CQPI/SEIPS is the recipient of multiple federal, foundation, and industry-supported research projects for patient safety, quality of healthcare processes, quality of working life and human factors approaches for improved technology implementation. The various project teams on these studies are multidisciplinary, including investigators and partners in Human Factors and Systems Engineering, Nursing, Medicine, Surgery, Pharmacy and Health Services Research.

Statement of Need

This short course is designed to provide an understanding of human factors and systems engineering and how this approach to patient safety can improve system performance and safety, prevent harm when error does occur, help systems recover from error, and mitigate further harm.

Intended Audience and Scope of Practice

The educational activity is designed for all physicians, physician assistants, nurses, information technologists, quality improvement specialists, pharmacists, CEOs, middle and upper managers, engineers, risk management professionals, infection control professionals, patient safety officers, and other professionals interested in human factors engineering and patient safety.

Specific Learning Objectives

At the conclusion of this activity, participants should be able to:

- Identify the objectives of human factors engineering (HFE)
- Explain the use of HFE to improve patient safety
- Describe the characteristics of a system and the implications for system design
- Describe the principles of sociotechnical systems engineering
- Summarize challenges to the application of HFE and patient safety
- Explain the role of the physical environment in patient safety
- Identify cognitive ergonomics issues for patient safety
- Evaluate technology design and usability issues for patient safety
- Explain organizational issues related to patient safety
- Identify issues related to workstation design and layout
- Recognize the impact of teamwork and communication on patient safety
- Describe principles for work system redesign, implementation and change management

Elements of Competence

This CME activity has been designed to change learner competence and focuses on the American Board of Medical Specialties area of systems-based practice.

Schedule ■ 2015

SEIPS Short Course on Human Factors Engineering and Patient Safety: Human Factors and Sociotechnical Systems Engineering

Day	Date	Time	Topic
Monday	7/13/15	7:00am-8:30am	Breakfast and Registration
		8:30am-5:30pm (breaks & lunch included)	<ul style="list-style-type: none"> • Introduction to Human Factors Engineering and Patient Safety • Human Factors Engineering and Patient Safety in a Pediatric Hospital • Physical Environment • Sociotechnical Systems Engineering • Introduction to the Case Study and an Application
		5:30pm-6:30pm	Reception and Poster Session
Tuesday	7/14/15	7:00am-8:00am	Breakfast and Conversation
		8:00am-5:30pm (breaks & lunch included)	<ul style="list-style-type: none"> • Cognitive Ergonomics • Usability: Principles and Methods • Usability: A Health IT Application • Usability in Practice
Wednesday	7/15/15	7:00am-8:00am	Breakfast and Conversation
		8:00am-4:45pm (breaks & lunch included)	<ul style="list-style-type: none"> • Organizational Design and Resilience • Teamwork • Workstation Design and Layout • Case Study Analysis
		6:30pm-8:00pm	Reception
Thursday	7/16/15	7:00am-8:00am	Breakfast and Conversation
		8:00am-5:00pm (breaks & lunch included)	<ul style="list-style-type: none"> • Work System Redesign and Implementation of Change • SEIPS Applications • Human Factors Engineering - Putting It All Together • Case Study Analysis - Continued
Friday	7/17/15	7:00am-8:00am	Breakfast and Conversation
		8:00am-12:00pm (breaks included)	<ul style="list-style-type: none"> • Case Study Poster Presentations • SEIPS in Your Organization
		12:00pm	Pick up Box Lunch