

March 2007 Green Building Courses in Las Vegas, Nevada

Prepare your organization to succeed with high-performance projects:

- ✓ *Three practical courses for project managers, engineers, architects, construction managers and green project teams*
- ✓ *Taught by instructors with extensive experience in high-performance design and construction*
- ✓ *Valuable take-home materials and references*

See inside for course details!



COLLEGE OF ENGINEERING
UNIVERSITY OF WISCONSIN-MADISON

Department of Engineering Professional Development
432 North Lake Street Madison, Wisconsin 53706

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THE UNIVERSITY
of
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MADISON

COLLEGE OF ENGINEERING ■ DEPARTMENT OF ENGINEERING PROFESSIONAL DEVELOPMENT

Practical courses for project managers, engineers, architects, construction managers and green project teams...

Mechanical System Design for Green Buildings

March 12-14, 2007
Las Vegas, Nevada

The Green Building Process: Real-World Strategies and Tools

March 15-16, 2007
Las Vegas, Nevada

Energy Modeling for High-Performance Buildings

March 21-23, 2007
Las Vegas, Nevada

Continuing education credits are available. See inside.

Mark Your Calendar and Enroll Now!

Mechanical System Design for Green Buildings

March 12–14, 2007 in Las Vegas, Nevada

At a Glance...

- ♦ Focus on sustainable design related to mechanical systems
- ♦ Learn from experienced professionals in an interactive environment
- ♦ Expanded course featuring green design workshop
- ♦ Topics include integrated design, LEED®, ASHRAE standards, and much more...see course outline.

Expand Your Knowledge

This practical course is your opportunity to learn about high-performance design of mechanical systems. The building industry is rapidly adopting green and sustainable building principles as the best way to improve energy efficiency and environmental performance in new and existing facilities. This course is designed to provide you and your organization with highly valuable knowledge in a proven-effective, interactive classroom setting.

Course Highlights

- ♦ Presentation by knowledgeable and experienced professionals
- ♦ Interaction and networking with other participants interested in green design
- ♦ Specific, practical and immediately useful information
- ♦ Valuable reference materials
- ♦ Opportunity to share your experiences and ask questions in a small-group atmosphere

Learn Highly Valuable Skills

Mechanical system design and operation have enormous impact on the overall performance of a building. Demand for individuals with skills in high-performance mechanical design has grown rapidly in response to the increasing use of programs such as the LEED® Green Building Rating System. Both the private sector and government agencies at the local, state and federal levels are beginning to require knowledge of these techniques in their selection process for facility projects.

Immediate Practical Benefits

After attending this course, you will be able to:

- ♦ Identify appropriate new technologies that will improve the energy and environmental performance of mechanical system designs
- ♦ Understand the importance of energy modeling for your projects
- ♦ Assess the time and effort needed to create a green design, execute energy modeling, and participate in an integrated design effort
- ♦ Recognize the purpose and benefits of commissioning and contribute to its successful implementation on your projects
- ♦ Evaluate the potential trade-offs associated with system options and select the best one for your project
- ♦ Navigate the ASHRAE standards critical to high performance

Who Will Benefit

This practical course will benefit individuals who plan, design, analyze, evaluate, or just need a working knowledge of mechanical systems for creating sustainable, high-performance buildings. Practicing engineers, as well as architects, facility managers, building owners, and other project team members, have all found the course to be highly beneficial.

Continuing Education Credits

This course provides 2.4 Continuing Education Units (CEU) and 24 Professional Development Hours (PDH).

Valuable Take-home References

As an attendee you will receive a binder of valuable take-home materials plus a copy of the *ASHRAE Green Guide*. This information will assist you during the course and once you are back on the job.

Your Instructors

Mark Case PE is president of ETC Group, Inc., Salt Lake City, a professional organization dedicated to improving energy efficiency in commercial and industrial businesses and to reducing the impact of energy use on the environment through engineering, analysis, education, and advocacy. Mr. Case has extensive experience with analysis of various energy systems for industrial, institutional, and commercial facilities. He has prepared numerous technical energy studies for a variety of facilities and is experienced with a variety of demand-side energy management programs and with building performance rating systems such as ASHRAE 90.1, LEED® and EPA Energy Star. He provides quality assurance assistance in support of energy performance contracting and energy efficiency studies as well as training and education in energy management and energy engineering.

Dr. Tom Lawrence PE, an assistant professor at the University of Georgia, has nearly 25 years of professional experience in engineering and environmentally related fields. Before attaining his PhD, he spent approximately 20 of those years in engineering and management positions in industry and consulting. While in industry, Dr. Lawrence prepared and delivered several employee training programs in a variety of engineering topics relative to the project work being done. Dr. Lawrence is the vice-chair of ASHRAE Technical Committee 2.8, "Building Environmental Impacts and Sustainability", and has given presentations on building energy usage and indoor air quality at conferences in the United States and Europe. At the University of Georgia, Dr. Lawrence teaches courses in building environmental control, industrial ventilation, residential design, heat transfer and thermodynamics.

Course Instructors and Course Outline follow next page...

Mechanical System Design for Green Buildings

March 12–14, 2007 in Las Vegas, Nevada

...continued

Tim McGinn P.Eng., LEED Accredited Professional is an engineering associate at Cohos Evamy. He is an experienced project manager and mechanical designer, having been involved in major new building projects and significant renovations and planning projects for more than 23 years. His design expertise includes passive evaporative cooling, indirect evaporative cooling, displacement and underfloor air systems, natural and mixed mode ventilation, solar chimneys, solar air preheating, grey water reuse and passive solar heating. His combined mechanical and electrical degrees, extensive green building design experience, and LEED accreditation enable him to lead green building consultation and facilitation on all types of building projects. He is currently focusing on applying his experience to green building projects as part of a multi-discipline integrated design team.

Course Topics

Monday, March 12

7:30 Registration

Riviera Hotel and Casino
2901 Las Vegas Boulevard South
Las Vegas, Nevada

8:00 Welcome and Introductions

University of Wisconsin
Instructors
Course learning objectives and topics
Participants

Joy E. Altwies PE

Program Director
Engineering Professional Development
University of Wisconsin–Madison

Green Engineering Design Process

- Terminology
- Steps in an integrated design process
- Team roles
- Preparing for charrettes
- Addressing green “costs”

Green Design Techniques

- Taking advantage of site and building form
- Daylighting
- Ventilation strategies
- Low-impact mechanical systems
- Water conservation

Minimizing Energy Use and Loads

- Working with the architect on envelope
- Window performance
- Energy analysis

System Selection and Design

- Criteria and goals
- Technologies to consider: UFAD, displacement, chilled beams, and more

Green Engineering Building Case Studies

- Performance results, costs
- Offices, classrooms, libraries, housing, mixed-use retail

Tuesday, March 13

High Efficiency Using Common Systems

- Whole-building design as a technique to reduce overall costs
- Systems approach
- Risk and part-load analysis
- Fan and pump systems
- Chiller plant design
- Control sequences
- Techniques to measure and verify building performance
- Trade-offs and synergies: finding the right balance
- Examples from actual projects

Tools for Green Design

- The *ASHRAE Green Guide*
- The LEED® Green Building Rating System
- LEED® credits related to mechanical design

Green Design in Action: Workshop Session

Wednesday, March 14

A Busy Engineer's Guide to Using ASHRAE Standards

- ASHRAE 90.1
- ASHRAE 62
- ASHRAE 55

Implementing Energy Modeling

- Available tools and software
- Evaluating the proper software for your application
- In-house, or subcontract?
- Walk through a typical energy modeling process
- Using energy modeling to guide design decisions
- eQuest demonstration

Scope of Work and Fees for Mechanical Systems Design

- Writing/responding to RFQs or RFPs
- What the designer's scope should include
- Contractual arrangements and language
- Renegotiating when going green mid-project

Specialty Systems Affecting ME Design

- “Cool” roofs and green roofs
- Gray water systems
- Technology benefits, drawbacks, and applications
- Which designers need to collaborate for these systems?
- Case studies

A Guide to Commissioning for the Design Engineer

- Why commission in the design phase?
- What to expect as a designer
- Documenting the design process: basis of design
- OPR and other current commissioning terminology
- ASHRAE's Guidelines 0 and 1

Discussion and Wrap Up

Please Note: We reserve the right to alter course schedule and substitute speakers when necessary.

Daily Schedule

Class will begin at 8:00 a.m. and continue until 5:00 p.m. on all three days. The daily schedule will include refreshments prior to the start of the course, morning and afternoon breaks and lunch served at noon.

Bring Your Team

Gain maximum value for your organization by attending as a team. If you enroll three or more people, you will receive a substantial discount. Enroll online at <http://epd.engr.wisc.edu> or call toll free 800-462-0876.

The Green Building Process: Real-World Strategies and Tools

March 15–16, 2007 in Las Vegas, Nevada

At a Glance...

- ◆ Discover tools, tips, and techniques to improve your high-performance projects
- ◆ Avoid common mistakes and lead with confidence
- ◆ Gain practical insights from experienced instructors
- ◆ Ideal for project managers and green team leaders

Discover Green Project Solutions

Incorporating green and high performance building techniques into your existing processes can seem like a difficult challenge. Whether you are a project manager or owner's representative faced with a goal of achieving a green building, or a designer, construction manager, or consultant looking to incorporate high performance strategies into your projects, this course will offer numerous benefits. You will learn about

- ◆ Procuring green buildings from an owner's perspective
- ◆ Identifying and selecting ideal candidates for your green project team
- ◆ Incorporating the commissioning process
- ◆ Managing the construction phase of the project to accomplish your goals
- ◆ Navigating the submission process for the LEED® rating system

A Practical "How-To" Course

Wondering what contracting method might work best for a green project? Or maybe how to motivate a construction team to separate construction and demolition waste? Need to write specification language that will really work?

This course is your opportunity to learn from experienced instructors who have already made the mistakes and can give you tips and tools to do it right the first time. Topics flow from early project planning through project completion, covering best-practice techniques throughout. The interactive classroom setting will allow you to ask questions, learn, and share your experiences in a supportive group atmosphere.

Learn from Various Perspectives

One of the unique features of this course is its interdisciplinary team focus. Designed to present the perspectives of various members of the project team, the course brings together instructors who have been involved in numerous green projects in the roles of owner's representative, consultant, and construction manager. You will not only gain highly valuable strategies for your job, but you will also be able to recognize and appreciate the critical team roles and skills necessary for a successful project.

Continuing Education Credits

This course provides 1.6 Continuing Education Units (CEU), 16 Professional Development Hours (PDH), and 16 AIA Learning Units (LU).

Valuable Take-home References

You will receive an extensive notebook of materials prepared especially for this course. These materials include printed versions of presentations and supplementary materials selected by instructors, including example specifications, commissioning plans and documents, construction waste management plans, and more.

Who Will Benefit

Whether you are facing your first green project or looking for ways to make your projects greener with less effort, you will find this course a wise investment. The course will help you anticipate challenges and give you the best possible opportunity to get your green projects started off right. The course is ideally suited to

- ◆ Commercial, institutional, and government sector project managers
- ◆ Architects, engineers, and related design professionals
- ◆ Construction managers, contractors, related construction team members
- ◆ Consultants, including LEED® and sustainability consultants, commissioning authorities, others assisting with green projects

For those involved with LEED® projects, the LEED®-related portions of this course will primarily focus on the LEED® for New Construction version, although some discussion of LEED® for Existing Buildings will be included. Prior familiarity with LEED® is recommended, but not required.

Course Instructors and Course Outline follow next page...

The Green Building Process: Real-World Strategies and Tools

March 15–16, 2007 in Las Vegas, Nevada

...continued

Your Instructors

Joy E. Altwies PE, CxAP, a program director at the University of Wisconsin–Madison, is a LEED® Accredited Professional active in USGBC and ASHRAE. As a consulting engineer, she has focused her work on providing commissioning services for a variety of projects with a strong emphasis on green and sustainable building projects. She also provided LEED® assistance and green design opportunity analysis for clients seeking these specialized services in the commercial and institutional building sectors. She teaches the ASHRAE Learning Institute course on sustainable construction.

Gary Kusnierz MSEM is corporate director of development and construction for Affinity Health System. He has over 20 years of healthcare and engineering experience and a master's degree in engineering management. His three-pronged design approach at Affinity incorporates principles of evidence-based design, sustainable design, and lean design. These approaches have led to facilities that create healing environments for patients while maximizing operational efficiencies. Sustainability is an integral part of design and construction at Affinity Health System, with emphasis on LEED® certification through the USGBC.

Theresa Lehman is a LEED® Accredited Professional, an associate value specialist, cost engineer, and assistant project manager for The Boldt Company. She is an honor graduate of Milwaukee School of Engineering with a BS degree in construction management. Her experience spans a wide range of project types in the corporate office, industrial, medical and commercial arenas, specializing in sustainable and LEED® projects. Ms. Lehman was instrumental in the LEED® cost control, commissioning, documentation and submission process for the Silver certification of Oscar J. Boldt Construction's Wisconsin River Valley office. She continues to prepare the documentation for all of Boldt's LEED® projects.

Course Topics

Thursday, March 15

7:30 Registration

Riviera Hotel and Casino
2901 Las Vegas Boulevard South
Las Vegas, Nevada

8:00 Welcome and Introductions

Joy E. Altwies PE
Program Director
Engineering Professional Development
University of Wisconsin–Madison

Developing Green Building Strategy and Standards (Part 1)

- Strategic planning; identifying green projects
- Why build green?
- "Selling" green projects to internal/external stakeholders
- Setting high performance green building goals
- To LEED® or not? Rating system decisions
- Budgeting for green projects
- Site selection considerations

Developing Green Building Strategy and Standards (Part 2)

- Owner roles and responsibilities for project success
- Developing request for proposals/qualifications
- Determining scope of work and responsibilities
- Fostering integrated design
- Indoor air quality design
- Energy design
- Operation and maintenance, housekeeping and recycling
- Education and training for long-term performance

Special Topic: Green Design Principles in Healthcare

- Evidence-based design
- Lean design principles: healthcare examples

Group Exercise

Group Activity Reports

Implementing the Commissioning Process

- What is the commissioning process?
- Why use commissioning? Benefits and results
- Tasks, roles and responsibilities
- Identifying need areas – scoping your Cx effort
- Cost factors
- Continuous improvement
- Cx and LEED®

5:00 Adjourn

Friday, March 16

7:45 Coffee/Conversation

8:00 Class Resumes

Strategies for Construction

- Role of the construction team in delivering a green building
- Roles and responsibilities
- LEED-NC in the construction phase
- Making life easier – tools, tips and motivational techniques
- Improving training and documentation for long-term operations

Bidding and Contracting Methods

- Design-bid-build
- Design-build
- CM at risk
- Others
- Roles and responsibilities – who leads the green effort?
- Implications for green projects
- Comparative case studies

Group Exercise – Creating a LEED® Action Plan

Greening the Construction Schedule

- How building green affects the schedule
- Avoiding painful missteps
- Integrating commissioning tasks, too

DEMO: LEED® Online Submission Process

Learning from Your Successes (and Failures)

- Lessons learned from real projects
- Case studies
- Formal evaluation of project success
- Getting input from the whole team
- Documenting and publicizing results
- Green buildings as marketing tools

4:30 Final Adjournment

Please Note: We reserve the right to alter course schedule and speakers as necessary.

Daily Schedule

Each day's schedule will include morning coffee, juice, and snacks, midmorning and midafternoon refreshment breaks, and noon lunch.

Energy Modeling for High-Performance Buildings

March 21–23, 2007 in Las Vegas, Nevada

At a Glance...

- ◆ Explore the features of multiple software programs
- ◆ Learn to use modeling to assist LEED® projects
- ◆ Build energy models during hands-on exercises

You Will Learn

Today's personal computers give technical professionals powerful tools to predict the performance of building systems. Many software programs can give engineers the ability to design a system and test its performance on their desktop, allowing them to choose the best systems and equipment for their project goals. Yet many professionals don't take advantage of the opportunities for system improvements and cost savings possible through the use of energy modeling.

In this course, you will learn:

- ◆ The purpose and benefits of energy modeling
- ◆ Strengths and weaknesses of several software programs
- ◆ How to identify the right software for your needs
- ◆ How to use modeling to meet code requirements
- ◆ Why modeling is crucial to high performance
- ◆ How to interpret and report your results
- ◆ When to use modeling for improving design
- ◆ How to create an actual model in two different software programs
- ◆ How to convince your clients of the value of modeling

Featuring "Hands-On" Software Demonstrations

This course will give you the opportunity to build an actual model using two different software programs. Both programs have particular strengths and weaknesses, and they will give you a first-hand look at the wide spectrum of capabilities inherent in commercially available modeling software.

We highly recommend that you bring your own laptop computer to the course. Please be sure that your computer is running Windows 2000 or later.

The exercises are designed to give you immediate knowledge of

- ◆ how to build a basic model
- ◆ the types of inputs needed
- ◆ the format and contents of results you will generate

The exercises are not intended to provide in-depth training on the software packages. They will complement the lecture topics, giving you the confidence to choose the right type of software for your needs and to properly evaluate the level of effort needed to execute an effective energy modeling effort.

Continuing Education Credits

This course provides 2.0 Continuing Education Units (CEU) and 20 Professional Development Hours (PDH).

Past Participants Say...

"THE COURSE WAS AN EXCELLENT CHANCE TO BUILD ON ENERGY MODELING SKILLS IN AN INTERACTIVE, GROUP-EXPLORATION TYPE ARRANGEMENT."

"VALUABLE INFORMATION WAS PRESENTED IN A CONCISE BUT YET DETAILED FORMAT."

Who Will Benefit

If you have an interest in making energy modeling "business as usual" in your high-performance building projects, you will find this course highly valuable. The course will assist any project team member needing a better understanding of the use of computer modeling to predict the energy performance of buildings. Technical professionals, such as design engineers and consultants, will find it especially beneficial. Familiarity with personal computers is necessary in order to fully benefit from hands-on software modeling exercises.

Bring Your Laptop PC

Please bring your laptop PC running Windows 2000 or later.

Your Instructors

Brenda V. Morawa PE is a registered mechanical engineer, a LEED® accredited professional, and principal of BVM Engineering, Inc. Ms. Morawa's special expertise in "green" projects began in the late 1980s with extensive energy modeling for the federal NECPA (National Energy Conservation Policy Act) program, such that sustainability and energy conservation have been backdrops for much of her mechanical design. She has worked with numerous clients to provide base case energy cost budget models and parametric studies of various building elements. Ms. Morawa is a core member of the United States Green Building Council's Energy and Atmosphere Technical Advisory Group (TAG). She serves on the board of directors for the USGBC Atlanta Regional Chapter and is an active member of ASHRAE and the Building Commissioning Association.

Course Instructors and Course Outline follow next page...

Energy Modeling for High-Performance Buildings

March 21–23, 2007 in Las Vegas, Nevada

...continued

David E. Bradley is a partner in Thermal Energy System Specialists (TESS). Since earning his MS degree in mechanical engineering, he has worked with clients at TESS to develop simulations and analyses for a multitude of different components and systems used in high-performance buildings, including geothermal heat pump systems, solar thermal processes, combined heating, cooling and power systems, and photovoltaics. His most recent projects include the development of TRNSYS v. 16 (a modular simulation software package), numerous LEED® projects, fuel cell power system simulations, and natural ventilation systems. In addition to his work with clients, Mr. Bradley has written papers on modular simulation topics and developed new simulation techniques to model complex shading and load calculations. He also teaches courses on TRNSYS.

Course Topics

Wednesday, March 21

7:30 Registration

Tropicana Resort and Casino
3801 Las Vegas Boulevard South
Las Vegas, Nevada

8:00 Welcome and Introductions

Joy E. Altwies PE
Program Director
Engineering Professional Development
University of Wisconsin–Madison

Introduction to Energy Modeling and High-Performance Buildings

- What is energy modeling?
- Comparison to load programs and system sizing tools
- What data will energy modeling provide?
- How to use the data to make engineering decisions
- What are high-performance buildings?
- What is LEED®?

A Guide to Software

- Description of several (4+) programs available
- Capabilities of each
- Pros/cons of each
- Guide to application – typical situations where the software could be applied

Energy Code Analysis

- ASHRAE 90.1 – what is it, how to show compliance?
- ASHRAE 90.1 requirements for software analysis
- Other codes (CA Title 24, Canada, etc.)
- Using 90.1 as a benchmark (Appendix G of 2004 version)
- LEED requirements for energy modeling

Spotlight on eQuest

- How it works
- Common elements with other programs (DOE II engine)
- Step through an example model

Hands-On Exercise

- Using eQuest, and given input data, students build a model
- Homework

Adjourn

Thursday, March 22

Reporting Your Results

- Homework review
- What is it giving you?
- Can you trust it? Reality checks
- How to provide useful feedback for other team members

Modeling as Part of Design Efforts

- When should the model be done for greatest impact?
- Design assistance tool vs. showing code/LEED compliance
- When CAN the model be done?
- How much time/effort should be planned? Guiding factors
- Explaining the importance of modeling to decision-makers (selling the concept)

Comparison of Approaches to Energy Modeling

- Case study of two buildings
- Energy modeling after-the-fact
- Energy modeling as a design tool

Spotlight on TRNSYS

- How it works, why it's different
- Case studies of actual models and their results (LEED and non-LEED)
- Walk through an example model
- Getting the information you want

Hands-On Exercise

- Using TRNSYS, and given input data, students build a model
- Discussion of results

Adjourn

Friday, March 23

Energy Modeling for Existing Buildings

- Differences from new construction
- Determining if your model accurately defines the building
- Calibrating to actual utility data
- How accurate is accurate enough?

Case Studies of Energy Modeling Impacts

- Case studies of actual models and their results
- Utilizing 90.1 Appendix G—how is it different?
- Core and shell case study

Final Adjournment

Daily Schedule

Daily lecture/workshop sessions will be from 8:00 to noon and from 1:00 to 5:00. Each day's schedule will include morning coffee, juice and donuts, and noon lunch and mid-afternoon refreshment breaks the first two days. The course will adjourn at noon on the third day.

Why Invest in Professional Training?

Whether acquiring continuing education hours or building the skills needed for a promotion, attendees in Engineering Professional Development courses have made lifelong learning a priority in their careers. Professional education benefits you and your employer by offering many opportunities to:

- ♦ Refresh and hone your skills
- ♦ Discover and share new techniques
- ♦ Expand your competencies to new areas
- ♦ Step back from your daily grind and refocus
- ♦ Connect with experts in the field
- ♦ Get fresh viewpoints on your challenges
- ♦ Re-energize and “recharge your batteries”
- ♦ Set yourself apart from competitors

Need to Know More?

Call toll free **800-462-0876** and ask for

Program Director:

Joy E. Altwies

Program Associate:

Mary Danielson

Or e-mail custserv@epd.engr.wisc.edu

General Information

Fee Covers Notebook, course materials, break refreshments, lunches, and certificate.

Cancellation If you cannot attend, please notify us no later than 7 days prior to the course start date, and we will refund your fee. Cancellations received after this date and no-shows are subject to a \$150 administrative fee. You may enroll a substitute at any time before the course starts.

Locations/Accommodations

Mechanical System Design for Green Buildings (March 12-14) AND

The Green Building Process: Real-World Strategies and Tools (March 15-16):

Location The Riviera Hotel and Casino, 2901 Las Vegas Boulevard South, Las Vegas, Nevada. If you must be contacted during a course, phone messages may be left for you at 702-734-5110.

Accommodations We have reserved a block of sleeping rooms (\$119/single; \$119/double plus energy surcharge not to exceed \$3.85 per night) for course participants at the Riviera Hotel and Casino, 2901 Las Vegas Boulevard South, Las Vegas, NV. A deposit equal to the room rate for one night is charged at time of booking. This deposit is refundable if the reservation is canceled 48 hours prior to scheduled arrival. Room block rates are not available for Friday or Saturday night stays. To reserve a room, call 800-634-6753 or 702-794-9412 and indicate that you will be attending this course under group code UWMAMA7. Room requests made later than February 22 will be subject to availability.

Energy Modeling for High-Performance Buildings (March 21-23):

Location The Tropicana Resort and Casino, 3801 Las Vegas Boulevard South, Las Vegas, Nevada. If you must be contacted during the course, phone messages may be left for you at 702-739-2222.

Accommodations We have reserved a block of sleeping rooms (\$95/single; \$95/double) for course participants at the Tropicana Resort and Casino, 3801 Las Vegas Boulevard South, Las Vegas, NV. To reserve a room, call 800-634-4000 and indicate that you will be attending this course. Room requests made later than February 19 will be subject to availability.

On-site Courses Save Time & Money

Engineering Professional Development can offer many of our courses:

- At a location of your choice in North America
- At your convenience
- At reduced per-person cost
- Tailored to your needs

To inquire about courses that we can bring to your site, call 800-462-0876 and ask for Corporate Education Director Carl Vieth (608-263-7424 direct or vieth@wisc.edu). Or see <http://epd.engr.wisc.edu/onsite>

Four Easy Ways to Enroll



Phone:

800-462-0876 or
608-262-1299 (TDD 265-2370)



Internet:

<http://epd.engr.wisc.edu/>

Mail to:

Engineering Registration, The Pyle Center
702 Langdon Street, Dept. 108
Madison, Wisconsin 53706



Fax:

800-442-4214 or 608-265-3448



Course Information

Please enroll me in

Mechanical System Design for Green Buildings

Course #J036 March 12-14, 2007 in Las Vegas, NV Fee: \$1295

Team Discount: \$1165 each when three or more people enroll and attend together from the same employer

Lifelong Learner Discount: Have you completed two or more EPD courses since January 1, 2005? If yes, you qualify for a reduced fee of \$1150 for this course. Please request this discount when enrolling by phone or online. EPD will verify your course attendance records.

The Green Building Process: Real-World Strategies and Tools

Course #J039 March 15-16, 2007 in Las Vegas, NV Fee: \$1095

Team Discount: \$985 each when three or more people enroll and attend together from the same employer

Lifelong Learner Discount (see above for details): \$950 for this course.

Energy Modeling for High-Performance Buildings

Course #J042 March 21-23, 2007 in Las Vegas, NV Fee: \$1195

I will bring my own laptop.

Laptop Rental: I want to rent a laptop to use during the course. Additional Fee: \$175

Team Discount: \$1075 each when three or more people enroll and attend together from the same employer

Lifelong Learner Discount (see above for details): \$1050 for this course.

Personal Information (Please print clearly.)

Name _____

Title _____

Company _____

Address _____

City/State/Zip _____

Phone (_____) _____ Fax (_____) _____

E-mail _____

Billing Information

Bill my company P.O. or check enclosed (Payable in U.S. funds to UW-Madison)

  

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