

LEED Building Design & Construction (BD&C) Building Certification and Accreditation Training – Spring 2009

Course Description

- This course will primarily focus on exploring the LEED Building Design & Construction (BD&C) for design, construction and major renovations of commercial and institutional buildings including core and shell and K-12 school projects.
 - This rating system replaces the LEED-NC (for New Construction) v2.2 rating system, and combines with it LEED-CS (for Core & Shell) and LEED for Schools, effective April 27, 2009.
 - This training includes the process of registering, documenting, and certifying LEED projects using LEED-Online.
 - Other LEED rating systems will also be introduced and briefly discussed in one of the class sessions including LEED-O&M (previously LEED-EBOM for Existing Buildings Operation and Maintenance), LEED-H (for Homes), LEED-ID&C (for Interior Design & Construction, formerly LEED-CI for Commercial Interiors), and other LEED standards and application guides.
 - Additional LEED resources and samples of documentation will be shared, and examples from state projects will be used to illustrate the attainment of LEED criteria.
 - Optional tours of local or regional LEED certified buildings will be included during the week of May 26th – 29th to help visualize building and site elements that contribute to LEED certification.
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Goals

- Obtain knowledge and skills required to pass the USGBC LEED AP+ BD&C Professional Accreditation exam.
 - Gain the knowledge required to assist project teams in achieving the LEED BD&C certification for state buildings.
 - Equip attendees with the knowledge to help address and achieve the State of California's GHG emission reduction programs & green building initiatives.
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Expectations

- Attendance at each training session.
 - Complete regular reading assignments and homework.
 - Weekly quizzes will assess understanding of each class's materials and assigned readings.
 - A full length 2-hour mock accreditation exam will be given at the end of the training.
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Reference Guide

- Regular study of the LEED BD&C Reference Guide is highly recommended.
- A hard copy or an eBook of this Reference Guide can be purchased through the USGBC @ www.usgbc.org/DisplayPage.aspx?CMSPageID=1970#2, for \$140-\$150 for USGBC member agencies. Contact us if you don't know who to contact in your agency to get your Corporate ID# for member discounts.
- The new eBook can be downloaded, shared with colleagues and printed if desired, although at 674 pages, it is recommended that people read through it on their computers.
- DGS RESD employees can access the eBook at the following RESD shared G drive reference: G:\RESD-Share\LEED-Resources\LEED 2009.

**Course
Schedule**

Location:	Auditorium, DGS Ziggurat Building 707 3 rd Street, 1 st Floor West Sacramento, CA 95605
Time:	10:00 AM to 3:00 PM each day (9:00 AM start on May 11 th) One hour lunch break from noon to 1:00 PM.
Dates:	Three weekly training classes: Monday May 4, 2009 – Session 1 and 2 Monday May 11, 2009 – Session 3, 4, and 5 Monday May 18, 2009 – Session 6 and 7 Building Tours: Tuesday thru Friday, May 26, 27, 28 and 29, 2009 Sacramento, various building sites TBD Mock Exam for LEED AP+ BD&C Monday June 1, 2009 – 9:00 AM to 12:00 noon

Note: Visitors to the Ziggurat building will need to sign in at the lobby security desk.

Enrollment

If you are interested in participating in this class, please send an e-mail to JoAnn.Button@dgs.ca.gov. Please provide the name, email address, phone number, and title of each proposed participant. Please contact JoAnn Button at (916) 375-4244 with any questions about enrollment.

This training may also be webcast and recorded for state professionals who cannot attend in person or on these dates. More information will follow, but if you are interested in webcast information, forward your interest to the contact above.

Note: If you have already attended the training for LEED-NC version 2.2, it is not necessary to take this new class. A special seminar/webinar will be scheduled in May to explain the differences between LEED-NC v2.2 and this new BD&C version.

Attendees

State of California employees (including but not limited to: architects, designers, engineers, facilities managers, operations, maintenance, purchasing, etc.)

Cost

There is no cost for state employees to attend this training, nor to take the mock exam.

However, there is an exam fee to take the USGBC's LEED AP+ exam; but some departments may cover the exam fee. For more information please visit www.gbci.org and contact your agency about potential reimbursement for the exam.

**Course
Syllabus**

More details about the specific course content can be found in the attached syllabus.

LEED BD&C Training – Spring 2009

Course Syllabus

Instructor Dan Burgoyne Email:
 Sustainability Manager Daniel.burgoyne@dgs.ca.gov
 Department of General Services Phone: (916) 376-5010

Location Ziggurat Building Auditorium
 707 3rd Street, First Floor
 West Sacramento, CA 95605

Resources: www.usgbc.org
 www.gbci.org

Session One	Topic	Recommended Reading
May 4, 2009 – Monday 10:00 – 12:00 noon	<ul style="list-style-type: none"> • Course Overview • Executive Order • USGBC & LEED • Certification Process 	LEED Reference Guide for Building Design & Construction (BD&C Reference Guide), Introduction Section (pgs i – xxiii)
Session Two	Topic	Recommended Reading
May 4, 2009 – Monday 1:00 – 3:00 PM	<ul style="list-style-type: none"> • Sustainable Sites 	BD&C Reference Guide Sustainable Sites Section (pgs 1 – 160)
Session Three	Topic	Recommended Reading
May 11, 2009 – Monday 9:00 – 10:00 AM	<ul style="list-style-type: none"> • Water Efficiency (WE) • Innovation & Design (ID) • Multiple Building Applications 	BD&C Reference Guide WE Section (pgs 161 – 212) ID Section (pgs 591 – 606)
Session Four	Topic	Recommended Reading
May 11, 2009 – Monday 10:00 – 12:00 noon	<ul style="list-style-type: none"> • Energy & Atmosphere (EA) 	BD&C Reference Guide EA Section (pgs 213 – 334)
Session Five	Topic	Recommended Reading
May 11, 2009 – Monday 1:00 – 3:00 PM	<ul style="list-style-type: none"> • Materials & Resources (MR) 	BD&C Reference Guide MR Section (pgs 335 – 400)

Session Six	Topic	Recommended Reading
May 18, 2009 – Monday 10:00 – 12:00 noon	<ul style="list-style-type: none"> • Indoor Environmental Quality (EQ) 	BD&C Reference Guide EQ Section (pgs 401 – 590)
Session Seven	Topic	Recommended Reading
May 18, 2009 – Monday 1:00 – 3:00 PM	<ul style="list-style-type: none"> • Other LEED Rating Systems, • LEED-AP Exam Preview • Exam Preparation Resources 	To be announced
Session Eight	Topic	Recommended Reading
May 26 - 29, 2009 – Tuesday thru Friday various times	<ul style="list-style-type: none"> • LEED Certified Building Site Visit Tours and Presentations 	n/a
Session Nine	Topic	Recommended Reading
June 1, 2009 – Monday 9:00 – 12:00 noon	<ul style="list-style-type: none"> • Mock LEED AP+ BD&C Exam • 9:00 – 9:10 instructions for exam (don't be late) • 9:10-11:10 Mock Exam • 11:10 – 12:00 noon Grading of exams in class; discussion, and course evaluation 	Study all material