Deconstruction Project Management Training
A BMRA training hosted by Yestermorrow

COURSE DESCRIPTION
As landfilling fees rise and building owners become increasingly interested in sustainable building, there has been a steady move away from wasteful demolition practices that reduce materials to rubble and towards dismantling and deconstruction techniques that preserve those same materials for a second installation. This class is a unique opportunity for existing builders, remodelers, architects, and even demolition contractors to get hands-on experience with a seasoned deconstruction professional, all while taking advantage of the spectacular Yestermorrow campus.

This deconstruction project management course was specially developed by the Building Materials Reuse Association to provide existing professionals in the building trades the skills and information needed for jumpstarting or expanding their deconstruction services. For students who already have some decon experience, this is a great opportunity to work closely with a master trainer to improve your salvage efficiency, learn new techniques, and take your projects to the next level. A key element of the week will be asking students to plan for and lead portions of the deconstruction work under the supervision of a Master Trainer. This is a unique opportunity to trial run your project management methods and improve your leadership skills.

Tuition for all attendees includes a year of membership with the BMRA, as well as the onsite skills assessment towards earning the complete Designated Deconstructor Credential, the only nationwide, peer reviewed certification in the deconstruction industry.

LEARNING OBJECTIVES
These learning objectives align with BMRA’s Core Competencies of Deconstruction.

- Demonstrate knowledge of building systems, building materials, salvage and deconstruction materials.
- Understand the process of evaluating a building deconstruction site.
- Demonstrate knowledge of safety measures applicable to building deconstruction and building material salvage activities.
- Demonstrate knowledge of the environmental hazards associated with deconstruction and building material salvage activities.
- Demonstrate ability to develop a site plan and schedule for building deconstruction.
• Demonstrate knowledge of the steps and processes involved in nonstructural salvage (soft stripping).
• Demonstrate knowledge of the steps and processes involved in full deconstruction.
• Demonstrate knowledge of materials management applicable to deconstruction and building material salvage activities.
• Identify steps in closing out a building deconstruction project.

**COURSE DETAILS**
Topics covered in this class included site management, project planning, material inventories, tools, hazardous materials, site/project safety, structural and non-structural deconstruction techniques/methods, material management, salvage value, project reporting, and basic guidelines for working with complementary trades (appraisers, material vendors, charitable organizations). The course will follow the structure of the ten core competencies of deconstruction.

**SCHEDULE**

**Day 1:**
Morning (Classroom)
• Introductions and overview of deconstruction.
• Basic project planning, site safety.
• Material hazards.
• Inventory techniques.

Afternoon (Site)
• Visit to deconstruction site.
• Non-structural salvage.
• Review of hand techniques.

**Day 2:**
All Day (Site)
• Selective structural deconstruction.
• Material handling.

**Day 3:**
Morning (Classroom)
• Review of project closeout, additional structural, and non-structural techniques, project coordination with complementary trades.

Afternoon (Site)
• Continuing deconstruction, student led teams with master trainer mentoring.
Day 4:
All Day (Site and Off-site)
- Skills Assessment with an independent proctor for one student at a time.
- Continuing deconstruction, student led teams with master trainer mentoring.
- Visit to a local reuse store

Day 5:
All Day (Site and Classroom)
- Skills Assessment with an independent proctor for one student at a time.
- Continuing deconstruction, student led teams with master trainer mentoring.
- Review of course accomplishments and assisted planning for your local implementation.
- Tracking of project deliverables and performance metrics.

REQUIRED READINGS
All students will receive a copy of:
- Introduction to Deconstruction Textbook (BMRA).
- Introduction to Deconstruction Workbook (BMRA).

SUGGESTED READINGS
- Unbuilding: Salvaging the Architectural Treasures of Unwanted Houses by Brad Guy, Robert H Falk
- How Buildings Learn by Stewart Brand

TOOLS & SUPPLIES TO BRING
- Personal Protective Equipment (PPE), Shoes/Boots with sole and toe protection, safety glasses, gloves, hard hat, appropriate clothing for a construction site
- Flatbar (at least 24”)
- Basic hand tools (pliers, hammer, screwdriver)
- Notepad/ pens