

CONSTRUCTION MANAGEMENT COURSE OUTLINE

Chapter 1: The What and Why of High Performance Building

- The urgency of climate change and how it relates to buildings.
- How contractors can help mitigate climate change by improving the performance of their buildings.

Chapter 2: A Whole-Building Approach to Construction

- The basic elements of high performance buildings.
- How to use systems thinking to frame your approach to construction management.

Chapter 3: Who is Responsible for Sustainability?

- How each role on construction sites contributes to building performance.
- The key responsibilities of construction managers that contribute to building performance.

Chapter 4: Early Factors That Ensure Performance

- How contractors' participation in the Pre-Construction phase can support project sustainability.
- Types of information that design teams rely on contractors for during pre-construction.
- Why traditional design-bid-build contracts may hinder building performance.

Chapter 5: Bidding and Vendor Selection

- Bid issues that Contractors need to convey to subcontractors to ensure that sustainability goals will be met.
- How to confirm that all sustainability-related documentation is included in the vendors' and subcontractors' bids.
- How to vet proposed substitutions by vendors and subcontractors.

Chapter 6: Make Sustainability a Jobsite Requirement

- Changes to typical operational activities on construction sites that reduce its environmental impact.
- How to set sustainability goals and track progress to achieve those goals.
- How to encourage organizational buy-in to adopt these activities.



Chapter 7: Practical Tips for Sustainable Projects

- How to approach the core construction activities such as procurement and scheduling with strategies that improve the performance of their project.
- How to document the appropriate information to ensure compliance with green building rating system requirements.

Chapter 8: Startup, Testing, and Commissioning

- The importance of testing, inspections, and commissioning and the CM's responsibilities for planning and prepping construction.
- The project stakeholders involved in commissioning.
- How to implement a successful transition from the construction team to the building operations team.

Chapter 9: Final Takeaways

- The opportunity to identify three action items to implement into your work practices.
- The next steps for pursuing a GPRO Construction Management Certificate.
- Questions and feedback on the course.

On a scale of 1 to 10, students rated GPRO training a

9/10

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GPRO CM has given me a better perspective on how to implement green techniques and materials into our projects. The instructor was very intuitive to our learning styles and kept the material interesting.

Isaac Warren
Atlanta, GA

