BLD519: Lean Construction (2 Units)

Department of Building Technology

Covenant University
1. BLD519
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Lean Practices and Principles is an introductory class to Lean in the construction industry. The class starts with an understanding of the origins of Lean Construction and its connection to the Toyota Production System. The class is focused around understanding the term Value and the difference between value adding activities and non-value adding activities. The contrast to value is waste and understanding how to identify and eliminate waste. The other main objectives of the class include understanding the term Pull and why focusing on pull will produce higher level of team collaboration than is common in the construction industry, today and how the integrated Project Delivery agreements provide the appropriate incentives, understand the value of cost being an input to design rather than a reaction to design and the use of a Target Cost Approach to project management ad appreciating the use of BIM as a fundamental communication tool in achieving deep collaboration and Lean project delivery.