

CE 501: Preconstruction Project Engineering and Management

Course Description:

Application of engineering and management control techniques to construction project development from conceptualization to notice to proceed. Emphasis is on managing complex projects using 5-dimensional project management theory.

Course Outcomes (students should be able to):

1. Discuss project complexity and methods of measurement
2. Discuss the five dimensions of project management
3. Assess a project's complexity based on the five dimensions
4. Analyze a project management process
5. Evaluate which tools should be utilized