Project Planning & Control

Introduction, Course Context, Construction Project Management

Week 1

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Lesson 1
What is Project Management?, Is Project Management an Art/Science?

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Course Context Setting

• What is Project Management?
Management & Project Management

Management

"To manage is to forecast and to plan, to organize, to command, to co-ordinate and to control." Henri Fayol- Industrial and General Administration.

Project

It’s a temporary group activity designed to produce a unique product, service or result. Project Management Institute - PMI

“Project management is the discipline of planning, organizing, securing and managing resources to bring about the successful completion” en.wikipedia.org/wiki/Project_management

“Project management, is the application of knowledge, skills and techniques to execute projects effectively and efficiently” Project Management Institute - PMI
Process & Project Management

• Process - repetitive

• Projects - unique
Course Context Setting

• What is Project Management?

• Is Management an Art or Science?
Art vs. Science

- **ART**
  - Person Dependent
  - (Political Acumen, Business Acumen, People Acumen, Leadership)

- **SCIENCE**
  - (Technique, Methodologies, Processes, Tools)
  - System Dependent
  - Repeatable Results
  - Quantification


- Management - relatively new science

**Compared with**
- Engineering
- Medicine
- Physics/Chemistry
- Architecture (?)