

# Project Planning & Control

## *Introduction, Course Context, Construction Project Management*

### *Week 1*

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# Project Planning & Control

## *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 coordinate 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

• **Person Dependent** (Political Acumen, Business Acumen, People Acumen, Leadership)

## ART



(Technique, Methodologies, Processes, Tools)

## SCIENCE

- System Dependent
- Repeatable Results
- Quantification

Ref: Harold Schroeder Assessing the Art and Science of Project Management: *PM World Today* – November 2009 (Vol XI, Issue XI)

- Management - relatively new science

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

