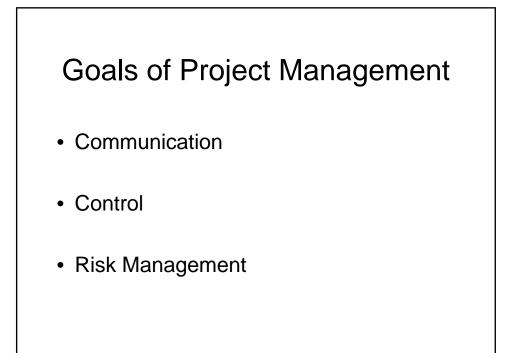


# Definition

Project Management is "the discipline of managing projects successfully. Project management can and should be applied throughout the project lifecycle, from the earliest stages of concept definition into operations & maintenance. It comprises the management of all that is involved in achieving the project objectives safely and within agreed time, cost, technical, quality and other performance criteria. Project management provides the "single point of integrative responsibility" needed to ensure that everything on the project is managed effectively to ensure a successful project deliverable."

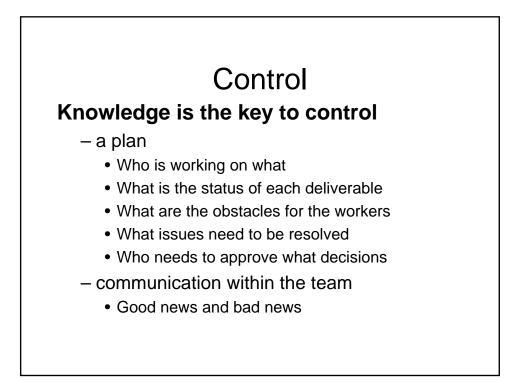
http://www.maxwideman.com/pmglossary/PMG\_P12.htm#Project%20Manager



#### Communication

Internal and external communication

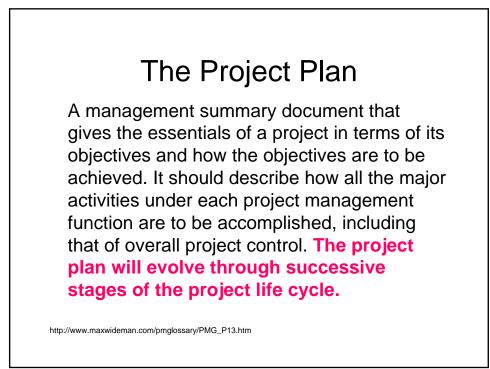
- Quality
  - Are we doing the right things
  - Do we have the right resources
  - Will we have a good product
- Status
  - Are we on time
  - What other resources are required



#### **Risk Management**

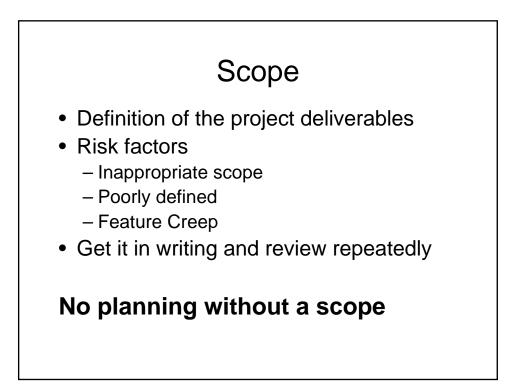
#### **Risk factors increase with complexity**

- Risk Assessment identify potential risks and determine the probability of occurrence and their effect on the project.
- Risk Avoidance create a plan that minimize the opportunity for the hazard to occur.



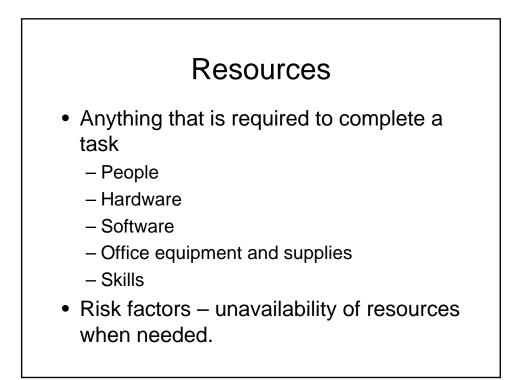
### Elements of a Project Plan

- Scope
- Tasks
- Resources
- Estimating
- Scheduling
- Monitoring



# Tasks

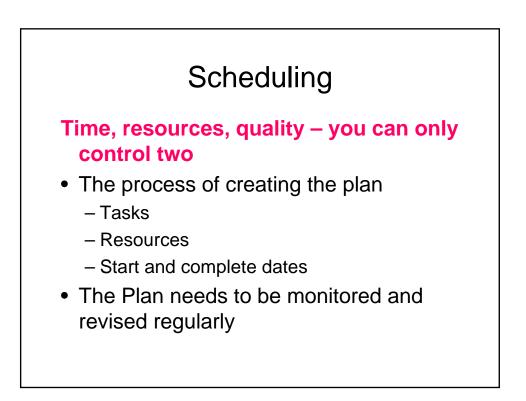
- The steps to develop each deliverable
- Understand and document the dependencies between tasks
- Estimate the effort involved to complete the task
- Risk factors
  - Bad scope
  - Vague or unknown deliverables
  - Unknown dependencies
  - Bad estimates



# Estimating

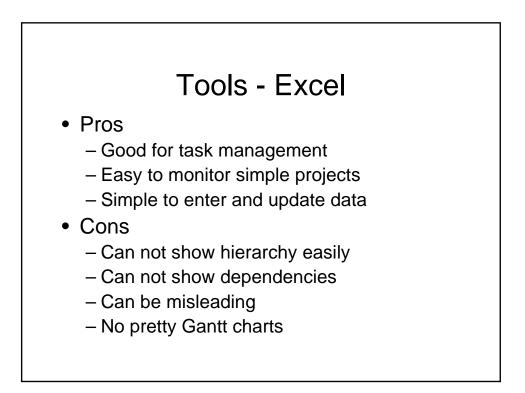
The estimate should not be the first date at which it is not completely impossible to complete the task.

Be as realistic as possible.



### Monitor the Plan

The essential task of the Project Manager is to regularly review and revise the schedule.



22 🖏 💂 A1 → 🔊 Tasks												
asks	Resource	Data	Data	Status	End Date							
lefine Scope		2/2	2/2	DONE	2/3							
enne scope		212	2/3	DONE	2/3							
urvey												-
reate Survey		2/4	2/9	DONE	2/6							
Survey Approval		2/9	2/10	DONE	2/10							
luman Subjects Approval					_							
ake test		2/4		DONE	2/4							
ill out forms		2/4		DONE	2/9							
Get prof signature		2/9		DONE	2/9							
eliver paper to HS office)		2/10		DONE	2/10							
Get Approval			2/18	DONE	3/14							
etermine Sample												
ind classes		2/10	2/25	DONE	3/14							
Contact professors		2/10		DONE	0/14							
vrange for dates		2/10										
Create Survey Calendar		2/10										
reate barrey balendar		2/10	0/20									
Conduct the Survey		3/25	4/6									-
lata Analysis												
reate spreadsheet		3/25										
inter data		3/25										
etermine optimism factor		4/6										
etermine knowledge factor		4/6	4/8									
etermine subgroups		4/6	4/8									
Vrite Paper												
ntroduction Aethodology		4/9 4/9										

