

How Your Projects Will Go Wrong (and what to do about it)



This is the 3rd course in this series which ✓ Foundations of Project Management

✓ The Technical Side of Project

Management

✓ How Your Projects Will Go Wrong (and what to do about it)

Featuring

Jeffrey K. Pinto,

Ph.D.



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Learning Objectives

The learning objectives of this continuing education course are to give attendees a better understanding of major reasons why projects fail, including:

1. Poor leadership

- 2. Setting ourselves up to fail
- 3. Poor knowledge of project status
- 4. Ineffective "solutions"
- 5. The unwillingness to learn the correct lessons

Applying these principals to projects will improve project management performance and increase project success.

Your Credits

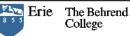
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Why Has Project Management Become so Critical?

60-70% of the work in organizations has become project based work. <u>http://www1.wnec.edu/continuinged/index.cfm?selection=doc.3030</u>

16.5 million people are working in Project Management worldwide. <u>http://www.chiefprojectofficer.com</u>

\$2.3 trn spent by public and private sectors on projects in 2001 in US (Bureau of Economic Analysis) http://www.projectsmart.co.uk/the_importance_of_project_management.html

126,000,000 results for Project management on GOOGLE (11/2008)

52,626 Project Management books on Amazon.com (11/2008). (That is up from 26,940 in February, 2007)

Evidence of Failure

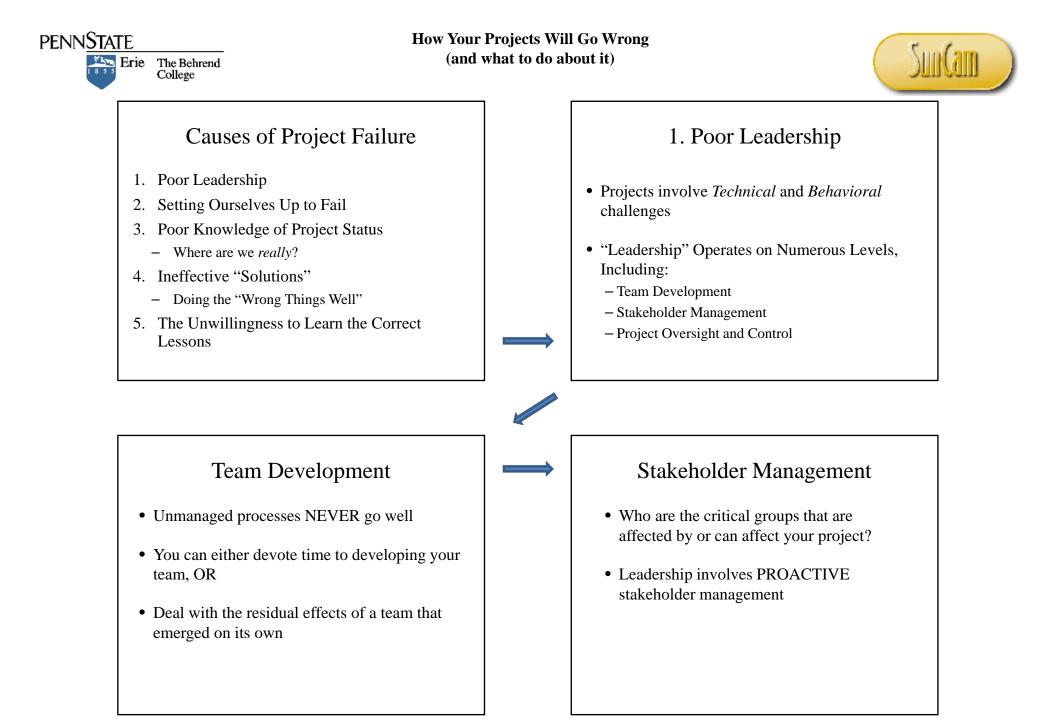
- The Numbers are Not Encouraging!
 - Peat Marwick: 65% of software and/or hardware projects fail. Half of the managers interviewed considered these findings "normal."
 - Price Waterhouse Coopers: of over 10,000 project surveyed, only 2.5% achieve full success and over 50% fail.
 - Standish Group: 35% project success rates have remained the same since 1994.

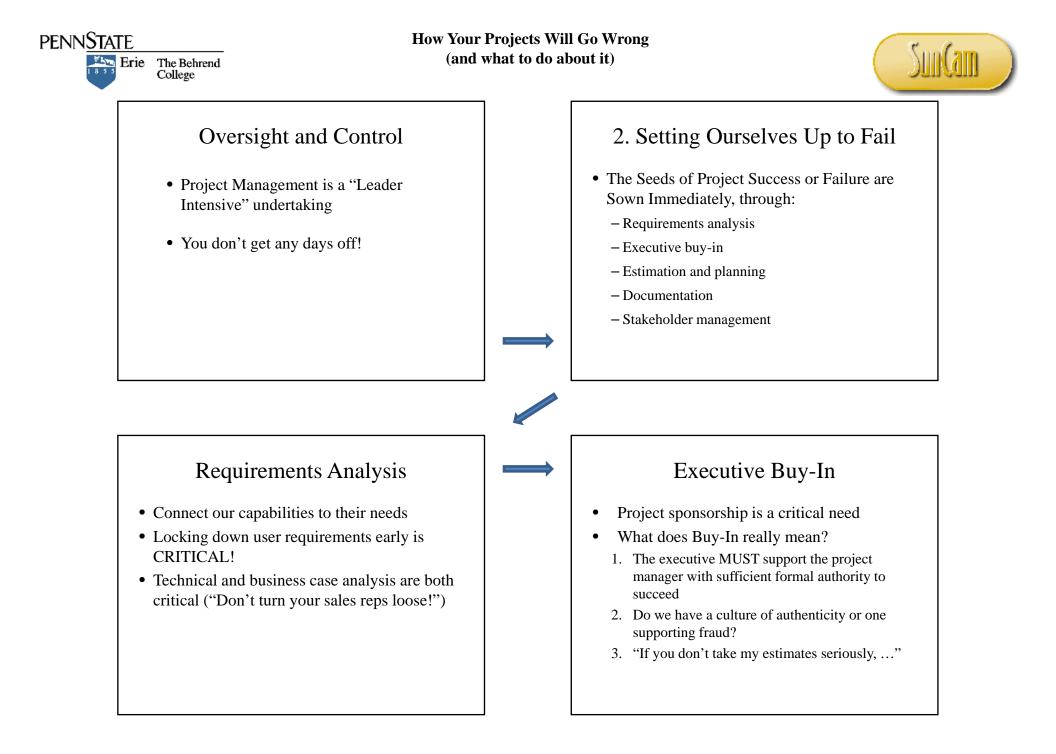
Symptoms vs. Causes

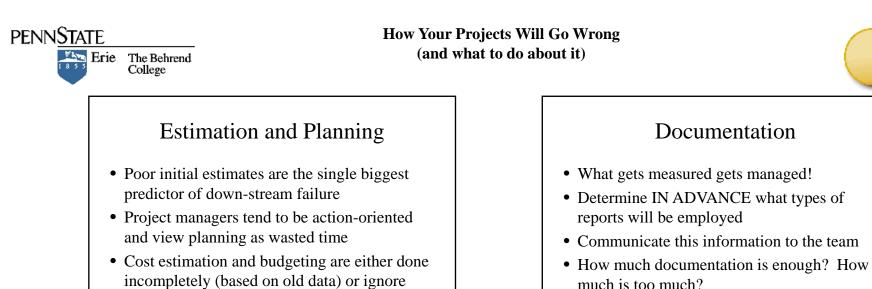
- Most of us understand common symptoms of project failure
 - Project Team In-fighting
 - Poor Communications
 - Stakeholder Dissatisfaction
 - Scope Creep
 - Budget and/or Schedule Slippage
 - Unclear Lines of Responsibility

Common Outcomes with Bad Projects

- Over Budget
- Over Schedule
- Faulty or Incomplete Final Outcome
- Poor Customer or Stakeholder Relations









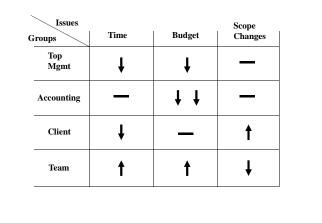
obvious sources of information (subject

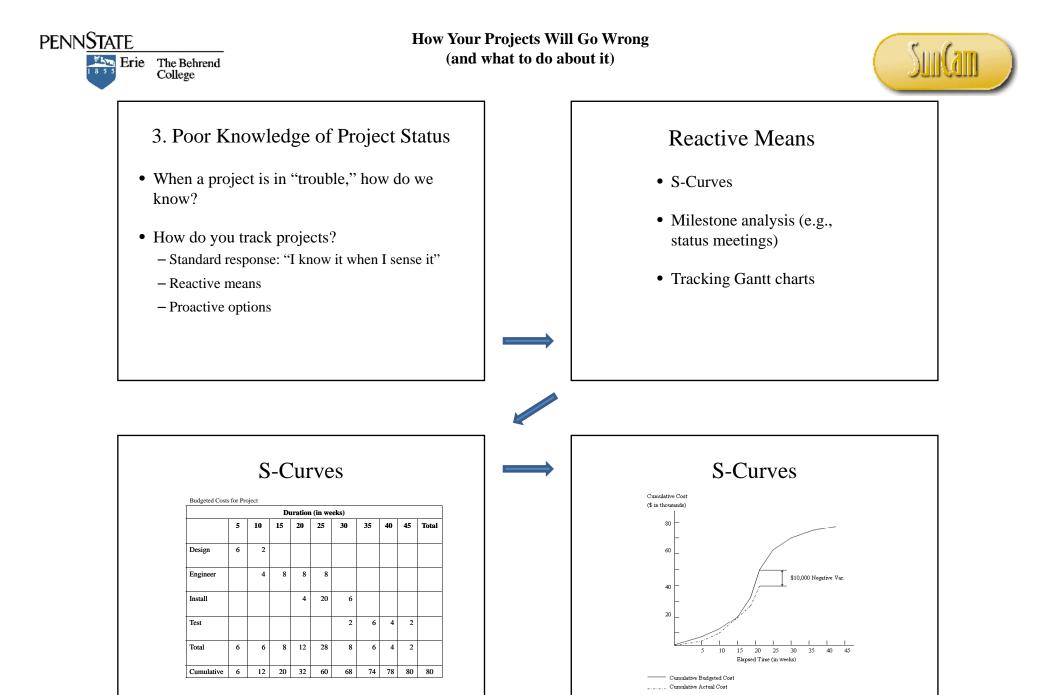
- The single biggest (and most hidden) responsibility of project leadership is managing your stakeholders!
- Who are the stakeholders?

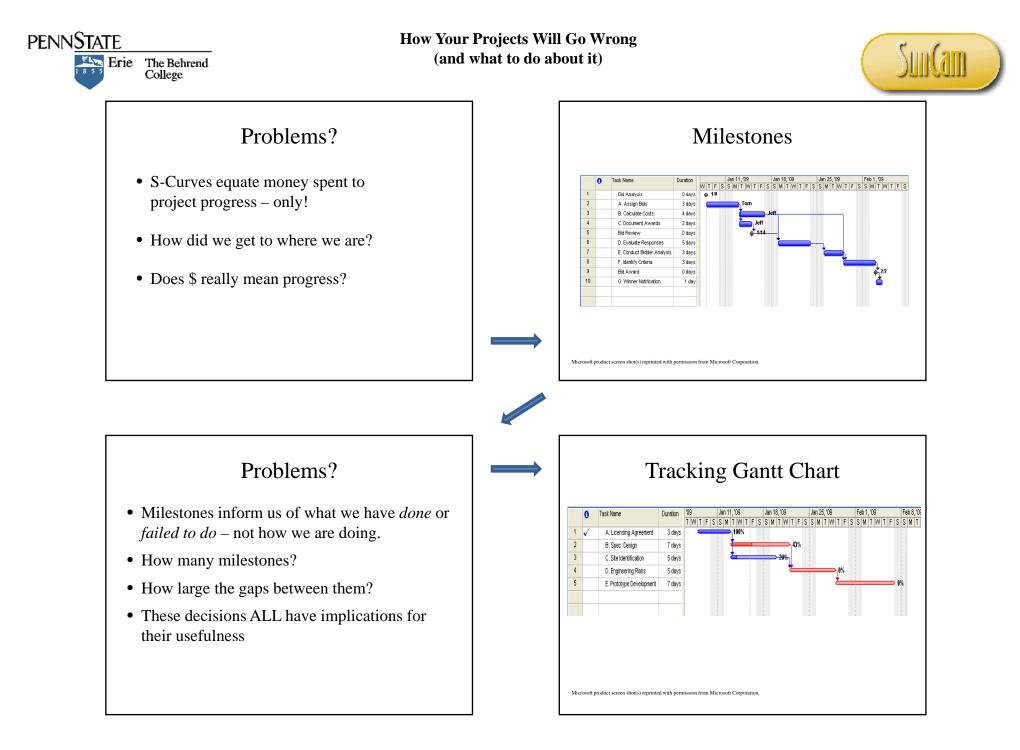
matter experts)

• What strategies are needed to manage them?

The Challenge of Managing Stakeholders







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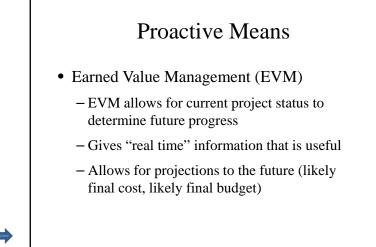


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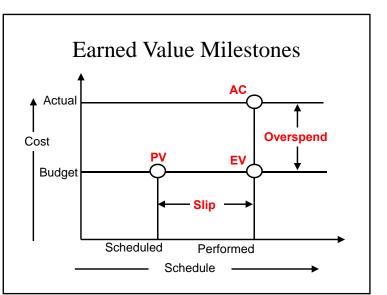
Problems?

- Labor Intensive Must be updated regularly to be useful
- Show status of tasks but not the *cause* of the problems
- Do not allow for projections of future status – when will we get back on track?

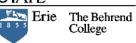


Earned Value Terms

- ♦ Planned value (PV)
- ♦ Earned value (EV)
- Actual cost of work performed (AC)
- ♦ Schedule performance index (SPI)
- ✤Cost performance index (CPI)
- ✤Budgeted cost at completion (BAC)



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Steps in Earned Value Management

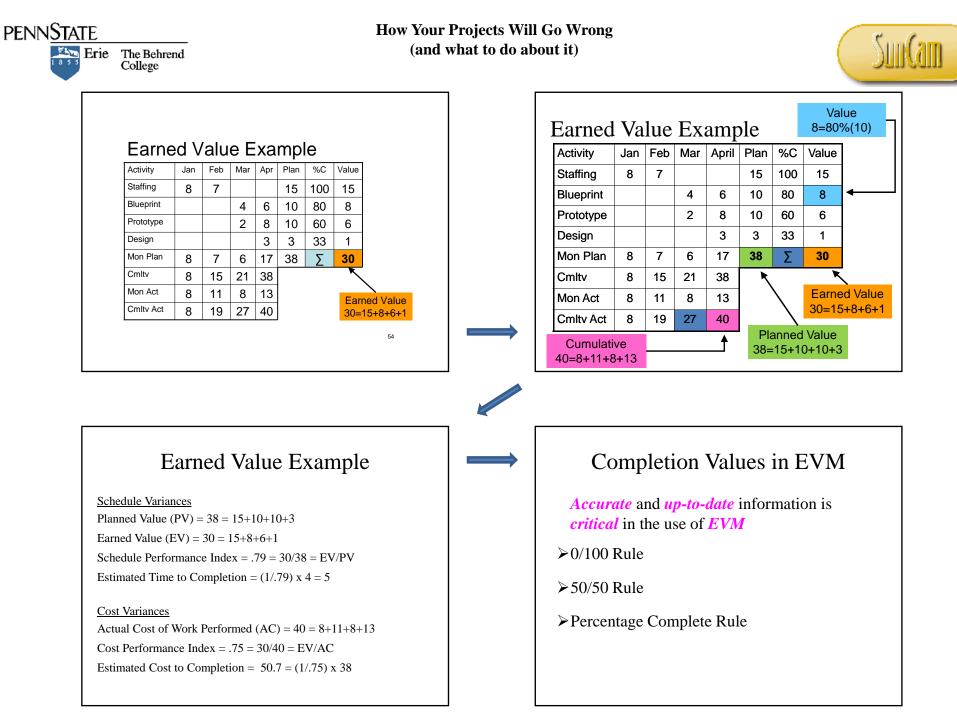
- 1. <u>Clearly define each activity</u> including its resource needs and budget
- 2. <u>Create usage schedules</u> for activities and resources
- *3.* <u>Develop a time-phased budget</u> (PV)
- 4. <u>Total the actual costs</u> of doing each task (AC)
- 5. <u>*Calculate*</u> both the budget variance (CV) and schedule variance (SV)

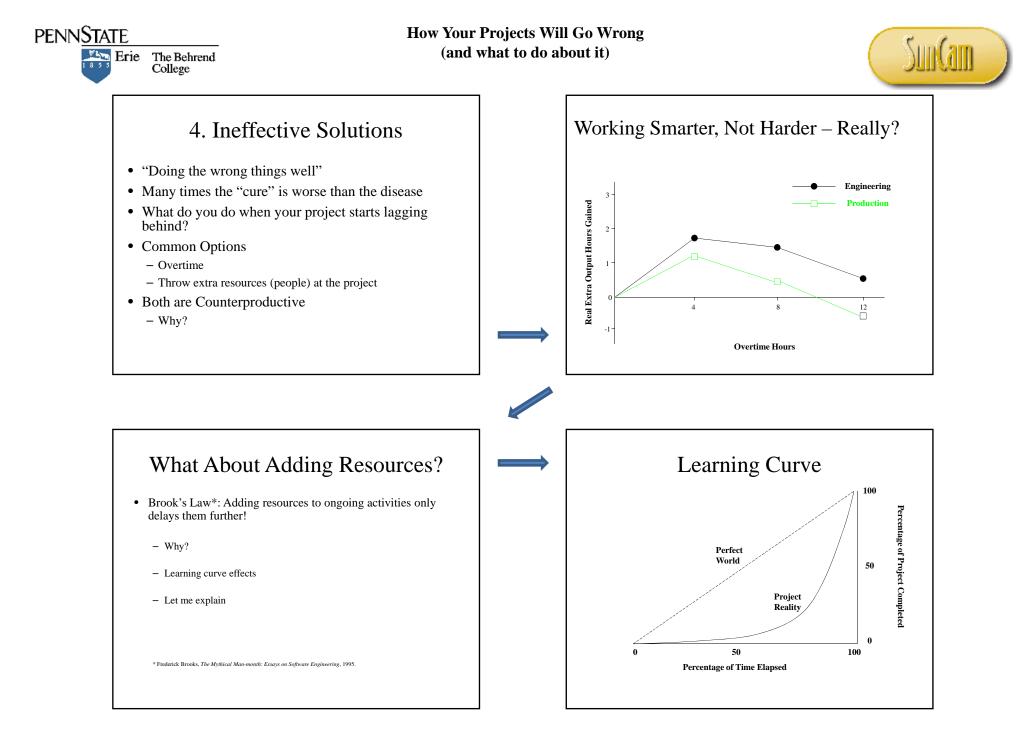
Earned Value Example

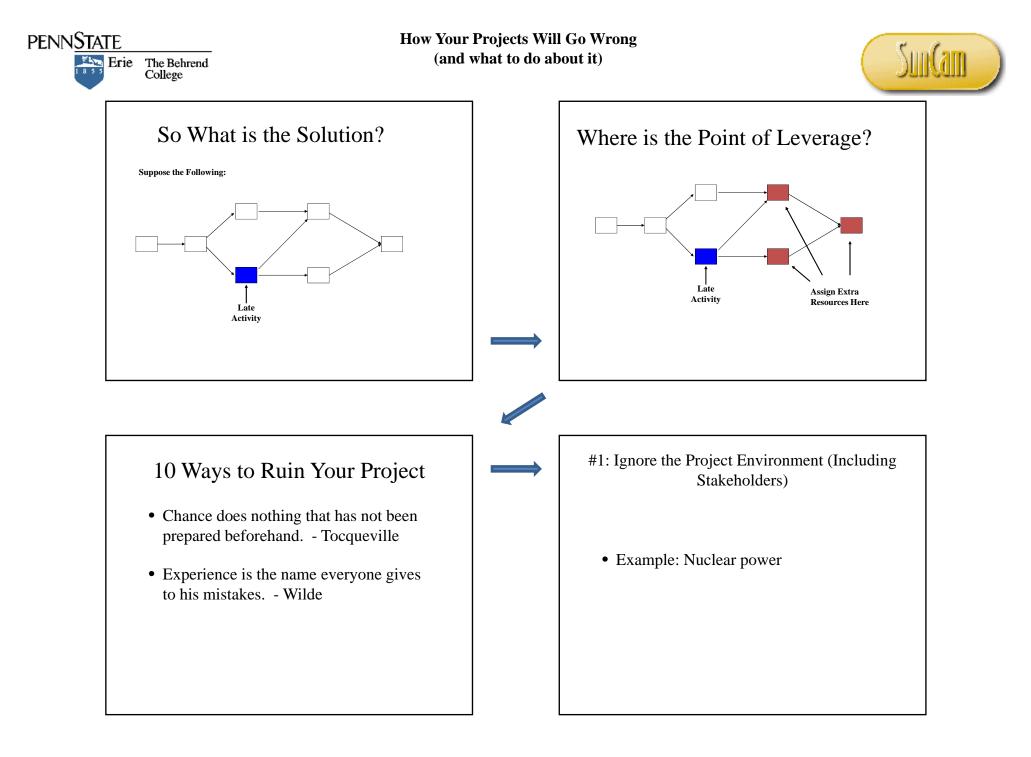
Activity	Jan	Feb	Mar	Apr	Plan	%C	Value
Staffing	8	7			15	100	
Blueprint			4	6	10	80	
Prototype			2	8	10	60	
Design				3	3	33	
Mon Plan	8	7	6	17	38		
Cmltv	8	15	21	38			
Mon Act	8	11	8	13			
Cmltv Act	8	19	27	40			

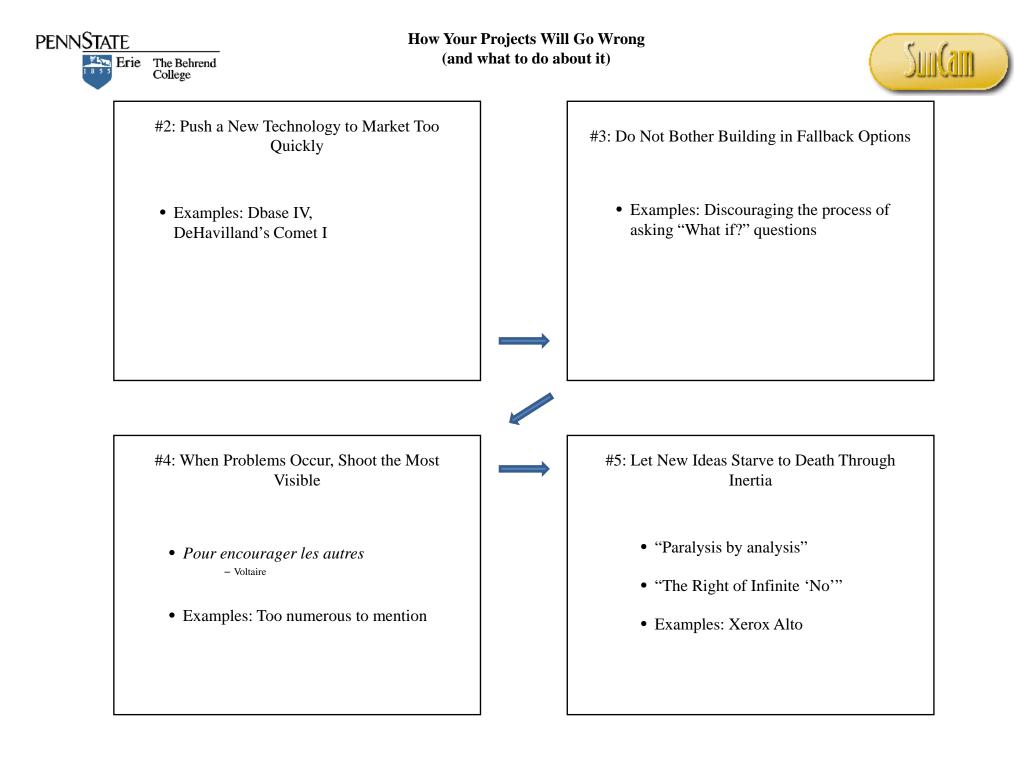
Earned Value Example						Earned Value Example										
Activity	Jan	Feb	Mar	Apr	Plan	%C	Value	Activity	Jan	1	Mar			%C	Value]
Staffing	8	7			15			Staffing	8	7			15	100	15	
Blueprint			4	6	10			Blueprint			4	6	10	80	8	-
Prototype			2	8	10			Prototype			2	8	10	60	6	1
Design				3	3			Design			2	3	3	33	1	
Mon Plan	8	7	6	17	38			Mon Plan	8	7	6	17	38	55	1	
Cmltv	8	15	21	38	•			Cmltv	-	-	-		30			_
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Cmltv Act	8	19	27	40		\backslash		Mon Act	8	11	8	13	-			
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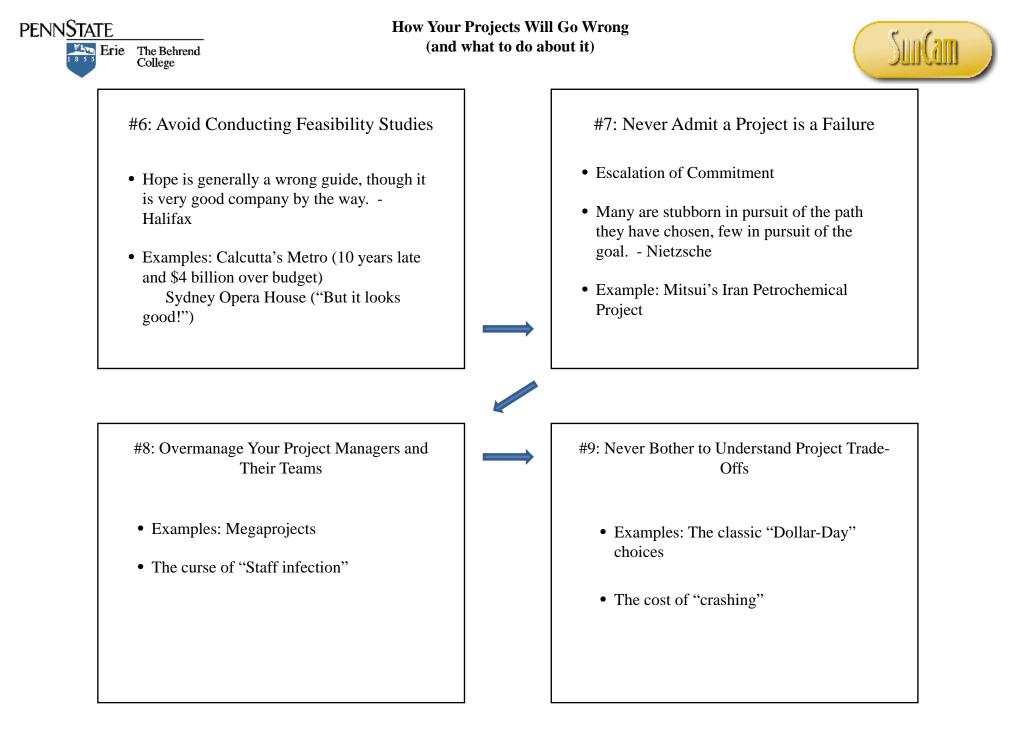
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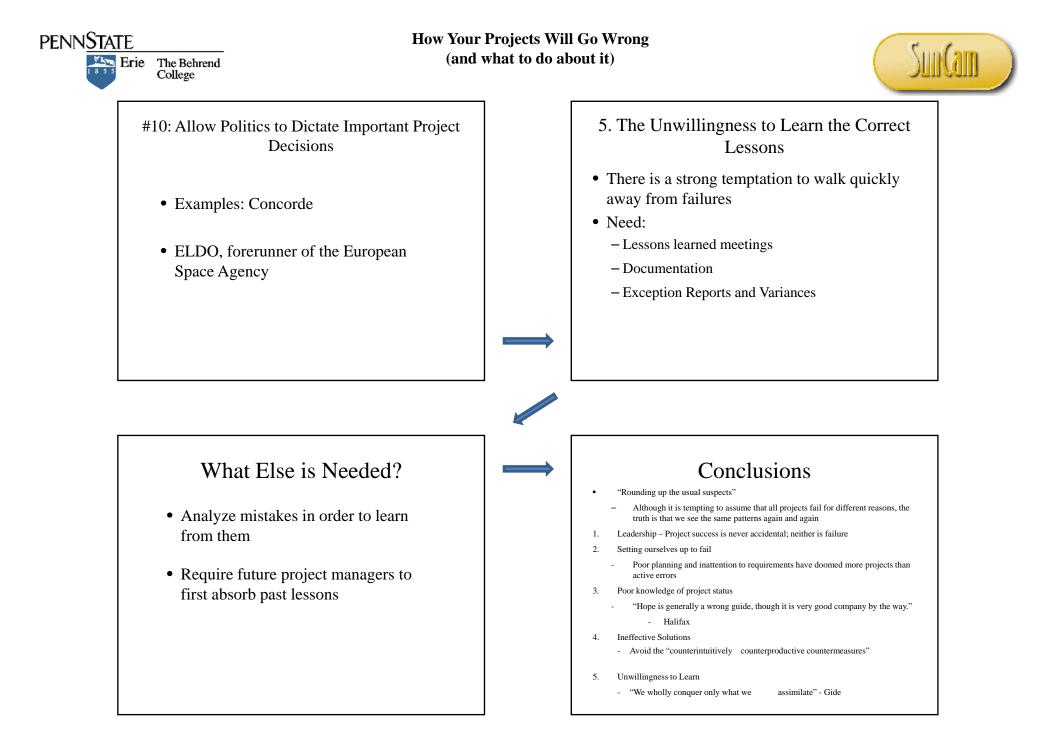














Dr. Pinto is the lead faculty member for Penn State's graduate level online project management program offering:

- Master of Project Management (30 credits)
- Graduate Certificate in Project Management (12 credits)

If you interested in receiving additional information about Penn State's graduate level online project management program, please call SunCam at 800-735-4449.