

PM

(Project Management)

*International Campus – Kish
Sharif University of Technology*

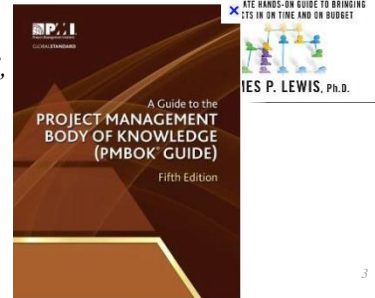
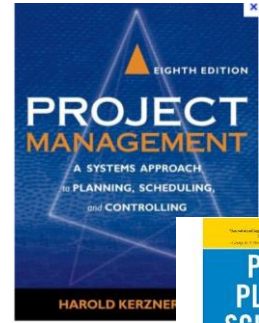
Session # 1

Course Description

- *Instructor*
 - *Omid Fatahi Valilai, Ph.D. Industrial Engineering Department, Sharif University of Technology*
 - *Email: Omidf@ie.sharif.edu, Tel: 021-6616-5706*
 - *Web site: <http://sharif.edu/~fvalilai>*
- *Class time*
 - *Thursday 09:00~10:30-10:45~12:00- 13:00~14:30-14:45~16:00*
- *Course evaluation*
 - *Mid-term (30%)*
 - *Final exam (40%)*
 - *Quiz (10%)*
 - *Exercise (20%)*

Course Description (Continued ...)

- **Mid-term session:**
 - 23rd, Aban 1392
- **Reference:**
 - Kerzner, H., “Project Management—A Systems Approach to Planning, Scheduling, and Controlling, Eighth Edition”, 2003, John Wiley & Sons, Inc.
 - Lewis, James P.; “Project planning, scheduling, and Control a hands-on guide to bringing projects in on time and on budget”, 2001, McGraw-Hill
 - Project Management Institute; “A Guide to the Project; Management Body of Knowledge”, 5th edition, 2013, Project Management Institute, Inc.



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Course Description (Continued...)

Course Calendar:

1392																																2013	
		W1																															
	مهر	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	مهر	
9	Sep	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	Oct	10
		W2 W3 W4																															
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10	Oct	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Nov	11
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		W7																															
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12	Dec	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Jan	1
	2014																																2014

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Course Description (Continued..)

- *Contents:*
 - *Chapter 1 - Overview*
 - *Chapter 2 - Project Management Growth—Concepts and Definitions*
 - *Chapter 3 - Organizational Structures*
 - *Chapter 4 - Organizing and Staffing the Project Office and Team*
 - *Chapter 5 - Management Functions*
 - *Chapter 6 - Time Management and Stress*
 - *Chapter 7 - Conflicts*
 - *Chapter 8 - Special Topics*
 - *Chapter 9 - The Variables for Success*
 - *Chapter 10 - Working with Executives*
 - *Chapter 11 - Planning*

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Course Description (Continued..)

- *Contents:*
 - *Chapter 12 - Network Scheduling*
 - *Chapter 13 - Project Graphics*
 - *Chapter 14 - Pricing and Estimating*
 - *Chapter 15 - Cost Control*
 - *Chapter 16 - Trade-off Analysis in a Project Environment*
 - *Chapter 17 - Risk Management*
 - *Chapter 18 - Learning Curves*
 - *Chapter 19 - Modern Developments in Project Management*
 - *Chapter 20 - Quality Management*
 - *Chapter 21 - Contracts and Procurement*
 - *Chapter 22 - Critical Chain Project Management*

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Chapter 1 - Overview

- *Project:*
 - *A project can be considered to be any series of activities and tasks that:*
 - *Have a specific objective to be completed within certain specifications*
 - *Have defined start and end dates*
 - *Have funding limits (if applicable)*
 - *Consume human and nonhuman resources (i.e., money, people, equipment)*
 - *Are multifunctional (i.e., cut across several functional lines)*

Chapter 1 - Overview

- *Project management:*
 - *Project management, involves project planning and project monitoring :*
 - *Project planning*
 - *Definition of work requirements*
 - *Definition of quantity and quality of work*
 - *Definition of resources needed*
 - *Project monitoring*
 - *Tracking progress*
 - *Comparing actual outcome to predicted outcome*
 - *Analyzing impact*
 - *Making adjustments*

Chapter 1 - Overview

- *Successful Project management:*
- *Successful project management can then be defined as having achieved the project objectives:*
 - *Within time*
 - *Within cost*
 - *At the desired performance/technology level*
 - *While utilizing the assigned resources effectively and efficiently*
 - *Accepted by the customer*

Chapter 1 - Overview

- *Project management concepts:*
- *Project management can mean different things to different people.*
- *For the ongoing projects within the company which the project management is used to control the activities, In such a case, the following might be considered an appropriate definition:*

Project management is the art of creating the illusion that any outcome is the result of a series of predetermined, deliberate acts when, in fact, it was dumb luck.

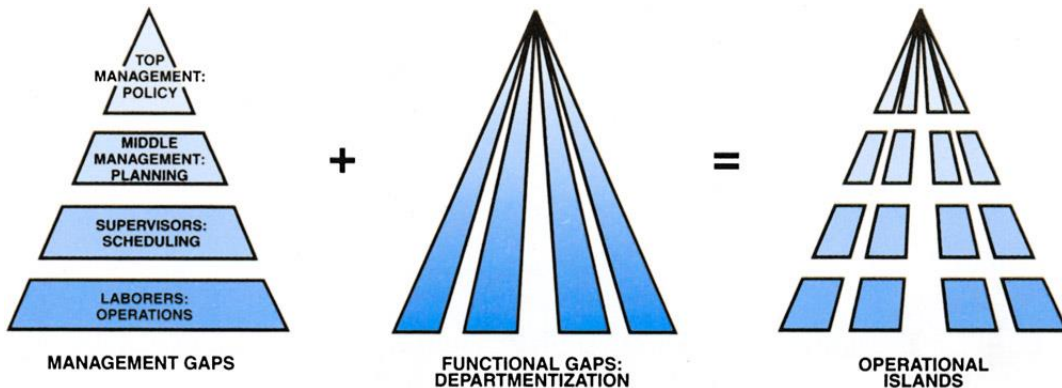
Chapter 1 - Overview

- *Project management concepts:*
- *Project management is designed to make better use of existing resources by getting work to flow horizontally as well as vertically within the company.*
- *This approach does not really destroy the vertical, bureaucratic flow of work but simply requires that*

line organizations talk to one another horizontally so work will be accomplished more smoothly throughout the organization

Chapter 1 - Overview

- *Project management concepts:*



Chapter 1 - Overview

- Project management concepts:
- The following would be an overview definition :

*Project management is the
planning, organizing, directing, and controlling
of company resources
for a relatively short-term objective
that has been established to complete specific goals and objectives.
Furthermore, project management utilizes the systems approach to management by
having functional personnel (the vertical hierarchy)
assigned to a specific project (the horizontal hierarchy).*

Chapter 1 - Overview

- Project management concepts:
- The following would be an overview definition :

