

# *PM*

## *(Project Management)*

*International Campus – Kish  
Sharif University of Technology*

*Session # 2*

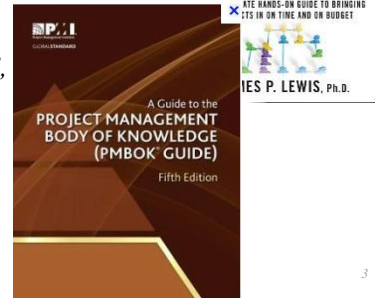
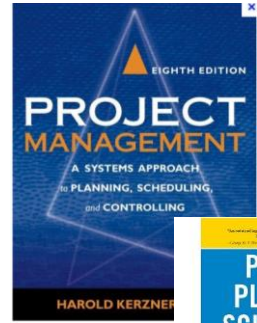


## *Course Description*

- *Instructor*
  - *Omid Fatahi Valilai, Ph.D. Industrial Engineering Department, Sharif University of Technology*
  - *Email: [Omidf@ie.sharif.edu](mailto: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:
  - 23<sup>rd</sup>, 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”, 5<sup>th</sup> edition, 2013, Project Management Institute, Inc.



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## Course Description (Continued...)

### Course Calendar:

1392																																2013	
		W1																															
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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
		W5      W6																															
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11	Nov	22	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	Dec	12
		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

- *Defining project success:*
  - *The definition of project success has been modified to include completion:*
    - *Within the allocated time period*
    - *Within the budgeted cost*
    - *At the proper performance or specification level*
    - *With acceptance by the customer/user*
    - *With minimum or mutually agreed upon scope changes*
    - *Without disturbing the main work flow of the organization*
    - *Without changing the corporate culture*

## Chapter 1 - Overview

- *Project Resources:*
  - *Most projects have six kinds of resources:*
    - *Money*
    - *Manpower*
    - *Equipment*
    - *Facilities*
    - *Materials*
    - *Information/technology*

## Chapter 1 - Overview

- *Project Resources:*
  - *Resources are controlled by the line managers, functional managers, or, as they are often called, resources managers.*
  - *Project managers must negotiate with line managers for all project resources.*

*project managers control project resources → They control those resources (which are temporarily loaned to them) through line managers.*

## Chapter 1 - Overview

- *Project Resources:*
  - *Successful project management is strongly dependent on:*
    - *A good daily working relationship between the project manager and those line managers who directly assign resources to projects*
    - *The ability of functional employees to report vertically to line managers at the same time that they report horizontally to one or more project managers*

## Chapter 1 - Overview

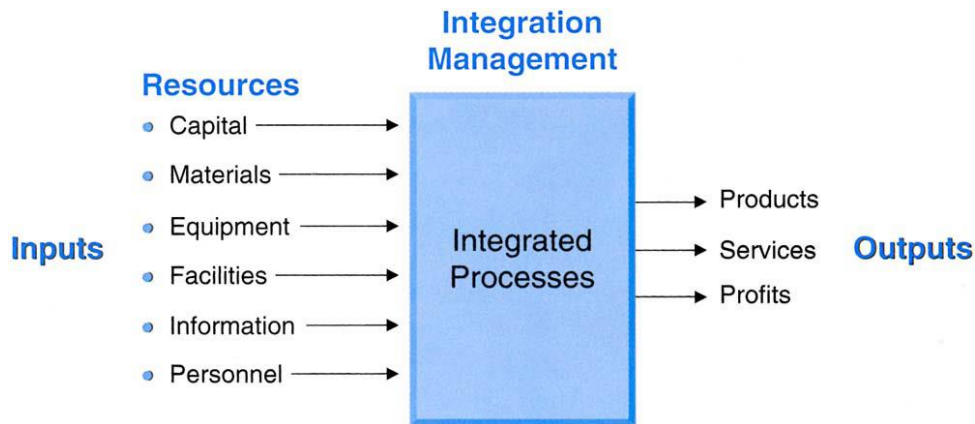
- *Project Resources:*
  - *Effective project management requires an understanding of:*
    - *Quantitative tools and techniques*
    - *Organizational structures*
    - *Organizational behavior*

## Chapter 1 - Overview

- *Project manager role:*
  - *The project manager is responsible for coordinating and integrating activities across multiple, functional lines. The integration activities performed by the project manager include:*
    - *Integrating the activities necessary to develop a project plan*
    - *Integrating the activities necessary to execute the plan*
    - *Integrating the activities necessary to make changes to the plan*

## Chapter 1 - Overview

- *Project manager role:*



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## Chapter 1 - Overview

- *Project manager role:*

- *The project manager must walk the fence between the two organizations.*
- *The term interface management is often used for this role, which can be described as managing relationships:*
  - *Within the project team*
  - *Between the project team and the functional organizations*
  - *Between the project team and senior management*
  - *Between the project team and the customer's organization, whether an internal or external organization*

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