

# **Project Planning and Control Methods**

## **Course Overview**

**Amin Alvanchi, PhD**

**Construction Engineering and Management**



# Project Planning and Control Methods

2

## □ **Purpose of the course**

- To give you a basic knowledge required for planning and controlling construction projects



**Question:** Are you going to be a project planner after this course?

## □ **Prerequisites:**

- General engineering knowledge

## □ **Class audiences**

- Construction Engineering and Management Students, Civil (and other) Engineering Students (BSc, MSc and PhD) who are interested in working in a project based environment

# Project Planning and Control Methods

3

## □ Course outline

#	Topic
1	Introduction to project management
2	An overview of project management body of knowledge
3	Project Integration Management
4	Project Scope Planning
5	Project Time Planning – Initial Schedule Development
6	Project Time Planning –Schedule Presentation
7	Project Time Planning -Schedule Constraints
8	Project Time Planning -Probabilistic Activities
9	Project Cost Planning
10	Project Time, Cost and Scope Control
11	Project management in big owner organizations

# Project Planning and Control Methods

4

## □ **Grade Distribution:**

- Home Assignments: 15%
- Lab/ in Class Exercises: 10%
- Term Project: 15%
- Final Exam: 60% (Open book)

## □ **Texts and References**

- Mubarak, S. (2010) "*Construction Project Scheduling and Control*", Second Edition, John Wiley and Sons, Toronto, Canada. ISBN 978-0-470-50533-5
- Ahuja H., Dozzi S., and AbouRizk S., (1994) "*Project Management: Techniques in Planning and Controlling Construction Projects*", Second Edition, John Wiley and Sons, Toronto, Canada. ISBN 0-471-59168-8.
- A Guide to the Project Management Body of Knowledge (available from PMI, [www.pmi.org](http://www.pmi.org), and from U of A Internet Access). 3<sup>rd</sup> and 4<sup>th</sup> edition.

# Project Planning and Control Methods

5


- **Contact info:**
  - Website: [sharif.edu/~alvanchi/PPCM.html](http://sharif.edu/~alvanchi/PPCM.html)
    - **Find course materials on the website**
  - Email: *alvanchi@sharif.edu*
  - Office hours: please contact
  - Teaching Assistant (TA): *TBA*
  - TA contact: *TBA*
    - **Please submit your assignments and send your questions to the course TA!**

# Project Planning and Control Methods

6


Dr. Alvanchi Course Page x

sharif.edu/~alvanchi/PPCM.html



**Construction Engineering and Management**  
**Department of Civil Engineering**  
**Sharif University of Technology**

**Dr. Amin Alvanchi**  
Room#427, Civil Eng. Department,  
Sharif University of Technology  
Tel : +98 (21) 6616-4221  
Fax :+98 (21) 6601-4828  
[alvanchi@sharif.edu](mailto:alvanchi@sharif.edu)



### Project Planning and Control Methods

Course#: 20-307  
Lecturer: Dr. Amin Alvanchi  
Room: CIVIL 209  
Start date: Shahrivar 25th, 1396  
Last day of classes: Day 4th, 1396  
Final exam: Day 20th, 1396: 9AM  
Course hours: Saturday and Monday 9:00 to 10:30  
Office hours: Saturday 15:00 to 16:00 (please contact and set an appointment if you need to see me outside office hours)  
Contact: [alvanchi@sharif.edu](mailto:alvanchi@sharif.edu)  
Teaching Assistant (TA): Mohammad Kafasi  
TA contact: [kafasi.93@gmail.com](mailto:kafasi.93@gmail.com)  
TA hours: TBA

[Course Overview](#)

#### Topics

Topic #	Topic Description
1	<a href="#">Introduction to Project Management</a>
2	<a href="#">An Overview of Project Management Body of Knowledge</a> <a href="#">Lecture 2 - Supporting Materials</a>

#### Announcements

Date Posted	Announcement Description
96/06/24	Welcome to Project Planning and Control Method Course!

#### Assignments

Assignment	Solution
TBA	



**Thank you!**