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# Project management

## Programma

A " introduction to the meaning of "project""

< flows and impulses in company's life

< definitions and peculiarities of a project

< projects inside the company

(research and development of new products )

(implementations and modifications to the organisation company's structure)

" < projects "engineering to order" (outside the company)"

(projects with high capital investment - projects of industrial plants)

B specific arguments of deepening

Project financing and Private-Public-Partnership (PPP)

(project financing as a tool : history and application in private companies

( passage from project financing to PPP : from private to public initiatives)

(experiences of PPP abroad : mainly in United Kingdom)

(situation in Italy : lows in force related to PPP)

(technical and economic documentation necessary for a private PPP project proposal)

" Risk Management for companies "engineering to order""

(Risk Breakdown Structure : valutazioni di impatto e probabilità , matrici impatto-probabilità e rischi-attività)

(Risks analysis , contractual bonds and security package)

C Construction of industrial plants

< industrial plants : main characteristics and different kinds

> different skillings of construction companies (contractors)

< civil works: characteristics , main technologies and resources

< electrotechnical and strumentation works: characteristics , main tecnologie and resources

< mechanical erections of industrial plants

(structures and ironsteel works)

(vessel , columns , drums , machinery)

(piping systems)

( main production tecnologie , international standards and e normative , organisation schedules , resources)

D Practical exercises

" Practical exemple of utilisation of software "Microsoft Project 2002""

Course duration

Foreseen in 45 hours

(A : 4 h , B : 10 h , C : 25 h , D : 6 h)

## Modalità d'esame

Oral examination foreseen

## Testi consigliati

1 F.Corini : Il Project Management nelle Imprese di costruzioni , dispensa ed. terza marzo 2004

2 F.Corini : Nozioni di tecniche e tecnologie di costruzione degli impianti industriali ad uso del Project Management (con particolare riferimento ai montaggi meccanici) , dispensa ed. prima giugno 2004

3 Project 2002 passo per passo , ed. Mondadori informatica