

 POLITECNICO DI MILANO



Teaching PLM at Politecnico di Milano

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1. Our experience
2. PLM Master
3. PLM courses included in Laurea Degree
4. PLM in a Doctoral Program

At Politecnico di Milano PLM is taught at different levels in different environments:

- Master level
- Laurea Degree level
 - In Management Engineering (1° year of Laurea Magistrale)
 - In Industrial Engineering (2° year of Laurea Magistrale)
 - Specialization in “Methods & Tools for Virtual Prototyping”
- PhD Program
 - Program “Virtual Prototypes and Real Products”
 - Cooperation between Mechanical Engineering and Industrial Design Faculties

Industrial Sponsors



Program

Area 1 - General training (9 courses - 222 hours)

Area 2 – Specific training (16 courses- 402 hours)

2.1 - Engineering Processes Analysis (7 courses - 153 hours)

2.2 – PLM Tools (6 courses - 180 hours)

2.3 - PLM solutions implementation (3 courses - 69 hours)

Product

Process

Systems

Large Projects

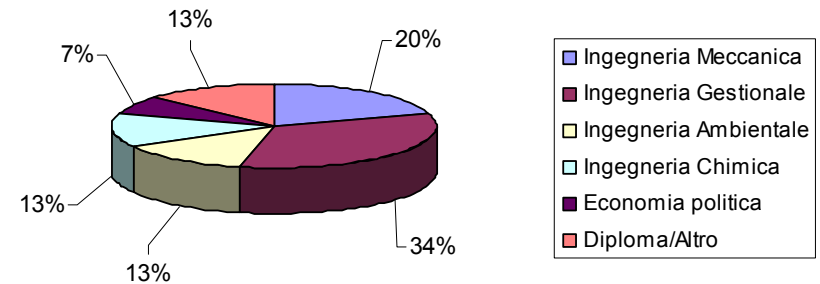
Project Work (300 hours)

www.mip.polimi.it/mplm

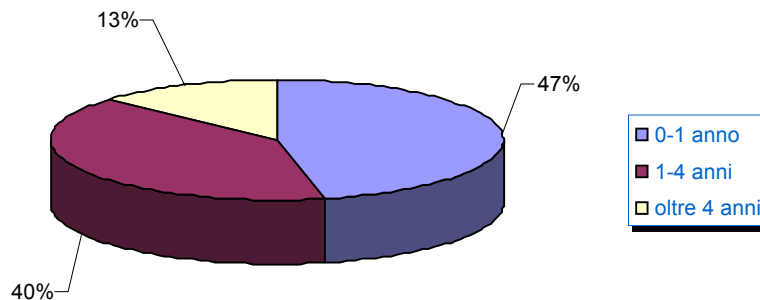
Organised by MIP Consortium

- Full time Master (oct. 2003 to oct.2004)
- 10 months class, labs and projects
- 3 months stage
- 15 people all placed today

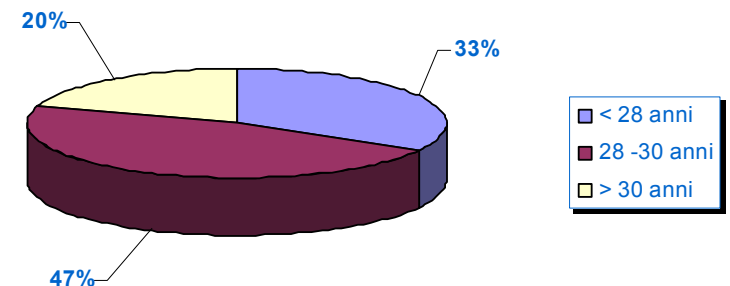
Tipologia di Laurea/Diploma



Esperienza professionale



Fasce d'età



#	Corso	1	2.1	2.2	2.3
1	Human Resources Management				
2	General Management				
3	Industrial Products				
4	Informatics				
5	Statistics				
6	Product design				
7	Manufacturing planning				
8	Factory & supply chain planning				
9	Large projects engineering				
10	Process Modeling and re-engineering				
11	Engineering Processes Modeling Lab.				
12	Collaborative work				
13	Project Management				
14	Design&manufacture for cost reduction Lab				

- In Management Engineering (1° year of Laurea Magistrale)
 - 10 credits 1 semester
 - Started a.a.2003/2004
 - 3 contributing competences
 - Product design
 - Process Design
 - Manufacturing technologies
 - 30-40 students
- In Industrial Engineering (2° year of Laurea Magistrale)
 - Specialization track in “Methods & Tools for Virtual Prototyping”
 - 1 full year
 - Started a.a.2004/2005
 - 30 students

- Program “Virtual Prototypes and Real Products”
 - Cooperation between Mechanical Engineering and Industrial Design Faculties
 - Started a.a. 2002/2003
 - Students (50% engineers, 50% designers and architects)
 - 3 3° year
 - 10 2° year
 - 7 1° year
 - www.vprp.polimi.it

- It is possible to teach PLM?
 - Yes but with :
 - a multidisciplinary approach and faculty
 - setting multybackground students groups
 - a strong support from vendors and users champions
 - a teaching method strongly based on labs and real projects

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..... With a lot of dedicated resources