

Corso: **MULTIDISCIPLINARY PROJECT**

Docenti: PROFF. DANILO ARDAGNA (resp.), STEFANO CERI

Semestre: 2°

Lingua di erogazione: INGLESE

N° max studenti ammessi: 40

Modalità d'esame per non frequentanti: NO

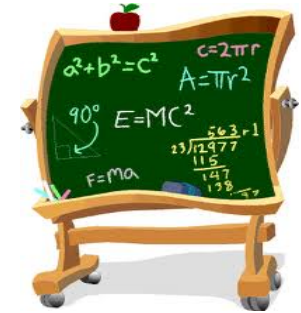
Note: CORSO EROGATO DA ALTRA SCUOLA (Ingegneria Industriale e dell'Informazione)

Prodotto	Interni	Comunicazione	Fashion	D&E	PSSD
✓	✓	✓	✓	x	✓

OBJECTIVES



- Develop a **project of interdisciplinary nature** - inspired by professors/ researchers with different expertise.
- In the projects, experiment **cutting edge technologies** developed by researchers of DEIB (Dipartimento di Elettronica, Informazione e Bioingegneria) - in partnership with other departments of Politecnico di Milano.
- Learn how to combine **vertical disciplinary knowledge** (from each student's Master of Science program) with **interdisciplinary horizontal skills** (much required by employers).



CONTENT OVERVIEW

- **Multidisciplinary projects** jointly proposed by professors/researchers from DEIB and from other departments/schools, including **Design** and the **Design School**.

- Project proposals from Design scholars are solicited, design students attending the course will be preferentially matched to these proposals. Short proposals should be multidisciplinary (i.e. at least two proponents from different fields) and should be sent to Ardagna/Ceri before the start of the second semester.

- **Individual learning** based upon **online lectures**, mostly provided by the youtube channel of Alta Scuola Politecnica, on:

- **design methods**
- **innovation management**
- **decision making**

followed by **class discussions** of the contents of the online lectures.

TEACHING MODEL

Class-work inspired by flip teaching:

- **Individual study** of online material
- **Classroom discussions**
 - Criticize the content, provide individual point of view, learn how to give interesting presentations
- **Short individual papers**
 - Short summaries of the online materials, focused on “lesson learned”

Project development methodology:

- **Based on the Stanford's d.school Institute of Design:**
 - <http://dschool.stanford.edu/use-our-methods/>
- **Focus on concept selection, requirements analysis and specification**
 - Includes a feasibility study (technical and economic viability)

Inspired by Alta Scuola Politecnica



EVALUATION

- **Short papers and ability in creating live discussions by engaging the class (20%)**
 - **Presentation skills** as assessed during requirement, concept selection, mid-term and final presentations (20%)
 - **Mid-term presentation – focus on methodology and concept selection (20%)**
 - **Final presentation – focus on result (40%)**
-