

Corso: **INTERDISCIPLINARY COURSE OF ROBOTICS & DESIGN**

Docente: **PROFF. ANDREA BONARINI E MAXIMILIANO ROMERO**

Semestre: **2°**

Lingua di erogazione: **INGLESE**

N° max studenti ammessi: **20 DESIGN + 20 INGEGNERIA**

Modalità d'esame per non frequentanti: **NO**

Note: **Is not necessary to have previous technological knowledge, but interest in the field. Both, designers and engineers, must apply their specific knowledge and assimilate new ones..**

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

## INTERDISCIPLINARY COURSE OF ROBOTICS & DESIGN

**AIMS:** Learn to design and implement robots in interdisciplinary groups (with Engineering students).

**HOW:** Hands-on approach (in the lab). At the end of the course a running robot for each group will be produced. The theme for this year is “**Animatronics in advertising: How to use robotics for market communications.**” Paying special attention on Human-Robot Interaction quality and strategies to achieve a target user.

**WE OFFER:** The possibility of learning by doing from our experience and from the knowledge of other people like you, Interdisciplinary workgroup experience, 5 credits and... a lot of fun!

**REQUIRED (BEFORE STARTING)** Access permit (“patentino”) to the Laboratorio di Modelli e Prototipi, Passion for your work, Appetite for discover, Pleasure for share knowledge and work intensively in group.

Note: Each group may need to spend some money (**less than €50 per person**) to buy electronic components and prototyping material, but we are working to find sponsors, as well as opportunities to show your work at exhibitions.

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### **Evaluation:**

Final evaluation will be composed by:

80% professors evaluation (Including interaction quality, durability, usability and documentation delivery of the final robot)

10% users evaluation (the robots will be tested by users)

10% team mates evaluation (each student will evaluate their partners)

### **Delivery:**

Students must deliver a working robot, in its package, and a final report composed by:

A description of the development of the robot.

A user manual of the robot.

A technical manual of the robot, including HW and SW description, electrical schemata. Bill Of Material.

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## SAUSAGE PARTY - Grocery Store Prank

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Animatronics in advertising, WOW effect

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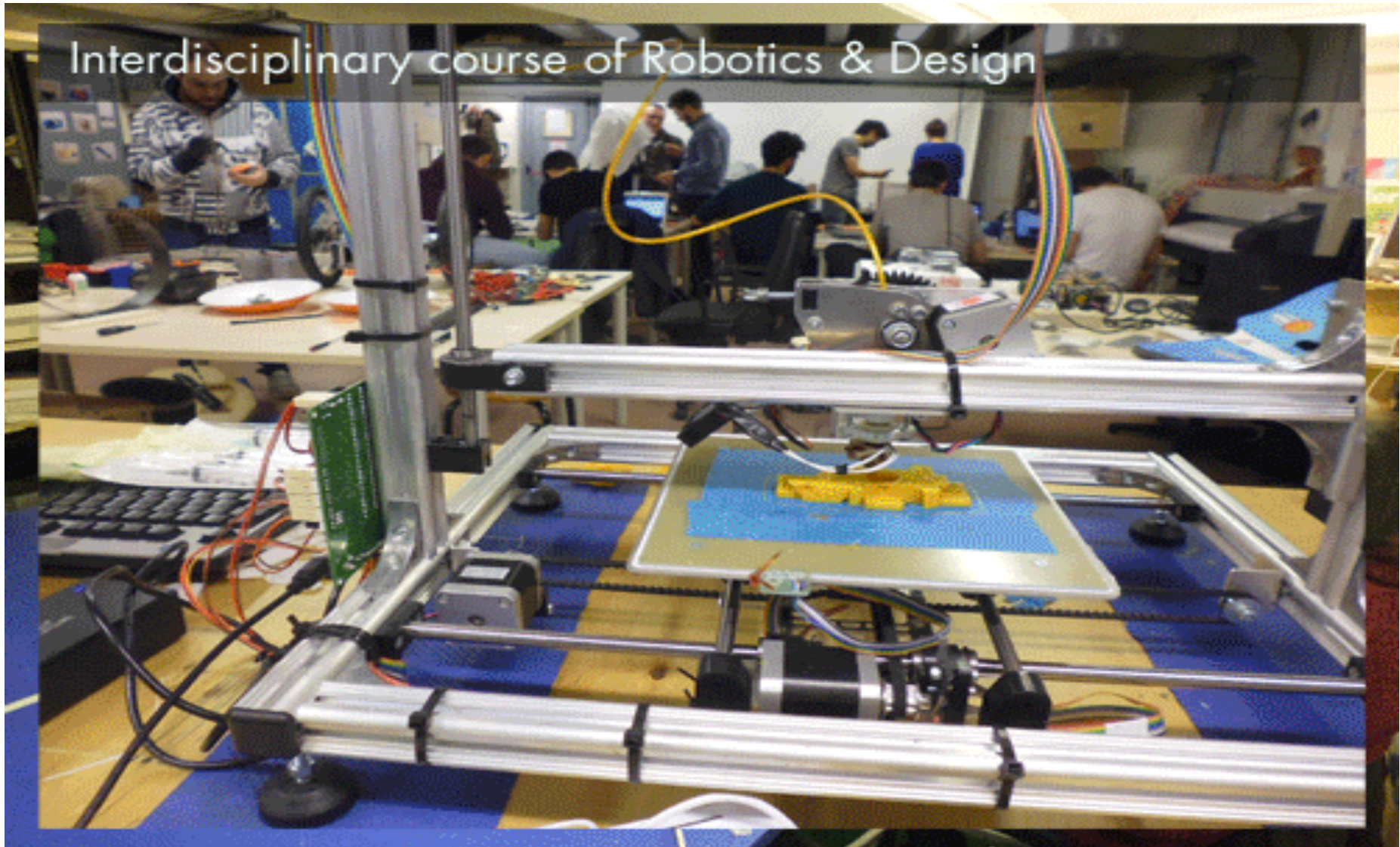
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Didactic method slideshow