

1	Innovation Design 1 / 2
2	COMPULSORY
3	EQF 7
4	1-2
5	1-2 + 3-4
6	11-12
7	Prof. Mauro Martinuz
8	<p>The class is characterised by projects oriented to:</p> <ul style="list-style-type: none"> • Technological and typological innovation • Technologies, frameworks and evolution of the product • Relationship between productive processes and creativity • Semiotic investigation on innovation • Relationship between design culture and creative action • Optic 3D scan, 3D printing, sensor and robotics <p><i>The projects experiences offered have references such as: companies characterised by a specific technological know-how and productive process, research centres and cultural agencies, specific cultural contexts, investigation on emerging technologies.</i></p> <p><i>Throughout the project the student will develop research towards the identification of new solutions to the needs of the contemporary world and will acquire skills in the formulation of hypotheses on the evolution of the product which must be coherent, documented and scientifically correct.</i></p> <p><i>The class is brought on in collaboration with the CAD advanced lab hold by professor M. Ribola.</i></p>
9	FACE TO FACE
10	-
11	<p>CLASS PROGRAM</p> <p>1_ Project in collaboration with the company Mazzoli.</p> <p>Research on new types of seating to respond to new models of socializing and renewed workplaces.</p> <p>Analysis of trends and new social models defined by technologies Development of the concept through a series of models – prototypes. Development of the project through CAD files for the creation of prototypes.</p> <p>3D scan research project _ processes of optical scan for design The relationship between new technologies and project methodology.</p> <p><i>Phase 1</i> Optical 3D scan – tools and applications Use of the scan for a designer as a technical, dimensional and semiotic reference. Project development approaches obtained through the scan process.</p> <p><i>Phase 2</i> Development of the project beginning from optical scans of select objects. Presentation in 3D CAD files.</p>
12	Bibliographic and sitographic indications will be given throughout the class.
13	-
14	<p><i>For the final exam you are expected to hand the complete projects in, including: graphic elaborates, work models and final model, presentation of the different development steps.</i></p> <p><i>The final presentation files must be PDF files, written as articles following the directions given by the professor.</i></p>
15	ITALIAN