



## TECHNICAL ARCHITECTURE 2 - MODULE

Enrollment year	2016/2017
Academic year	2018/2019
Regulations	DM270
Academic discipline	ICAR/10 (TECHNICAL ARCHITECTURE)
Department	DEPARTMENT OF CIVIL ENGINEERING AND ARCHITECTURE
Course	
Curriculum	PERCORSO COMUNE
Year of study	3°
Period	(06/03/2019 - 14/06/2019)
ECTS	9
Lesson hours	82 lesson hours
Language	
Activity type	WRITTEN AND ORAL TEST
Teacher	GRECO ALESSANDRO (titolare) - 9 ECTS
Prerequisites	Knowledge of the techniques for the representation of the architectural projects at different scales. Knowledge of the construction building technologies and materials.
Learning outcomes	<p>The course aims to provide the students with the awareness to face and solve the problems of typological, distribution and technological aspects that are the basis of the architectural design and the particular design of the building organism and its surroundings.</p> <p>Lectures, workshops and tutorials will address the various issues of the building design by the scale of the building up to that of the construction details.</p> <p>In particular, attention will be given to residential buildings.</p>
Course contents	<p>The program includes teaching activities articulated in:</p> <p>Lessons - characterized by the following main topics:</p> <p>Relationship between housing needs and housing spaces; dimension of</p>

the spaces for living.

Aggregation of housing: building types for the residence and their evolution, with particular attention to recent changes in lifestyles.

Classification criteria and setting design of the buildings.

Plants in residential buildings.

New typological solutions and technologies in the residence.

During the exercises there will be the design of an architectural project, developed in group on an assigned area with a specific functional (usually housing) programme.

The organization has two "intermediate" presentations to verify the progress of the project during the semester. The topic and the project area are defined at the beginning of each academic year.

The laboratories instead concern the distribution of the functions in housing and organization of building types.

#### Teaching methods

Lectures (hours/year): 80

Practical class (hours/year): 40

#### Reccomended or required readings

At the beginning of classes and at the end of each lesson the references useful for the study of the topics will be provided to the students.

Caleca L.. Architettura tecnica. Flaccovio 2000.

Mandolesi E.. Edilizia. UTET, Torino, 1978.

AA. VV.. Strumenti per il progetto. La casa. Compositori editore, Bologna 2000.

H. Hertzberger. Lezioni di Architettura. Editori Laterza, 1996.

AA. VV.. Progetto qualità edilizia. Edizioni Edilizia Popolare, 2002.

Losasso M. (a cura di). La casa che cambia. Clean Edizioni 1997.

Amerio e Canevasio. Tecniche ed elementi costruttivi. SEI, 1996.

P.G. Bardelli, S. Coppo. Il Cantiere Edile. Dario Flaccovio Editore, Palermo 2010.

M. Botta, Crepet P. (con G. Zois). Dove abitano le emozioni. Einaudi Stile Libero Extra, Torino 2007.

A. Greco, R. Gulli (a cura di). Innovazione ed evoluzione nel progetto della residenza. Edicom Edizioni, Monfalcone, Gorizia 2010.

Mies Van Der Rohe. Gli scritti e le parole. Piccola Biblioteca Einaudi, 2010.

#### Assessment methods

During the semester, the students have 15 tests, which consist in designing housing in the classroom. The topics covered include the distribution features and building types.

	<p>The architectural project, developed in group on an assigned area with a specific functional (usually housing) programme, is the second part of evaluation.</p> <p>The average of the two marks previously described is the vote by which the student is admitted to the oral test, final part of the exam.</p>
Further information	<p>During the semester, the students have 15 tests, which consist in designing housing in the classroom. The topics covered include the distribution features and building types.</p> <p>The architectural project, developed in group on an assigned area with a specific functional (usually housing) programme, is the second part of evaluation.</p> <p>The average of the two marks previously described is the vote by which the student is admitted to the oral test, final part of the exam.</p>
Sustainable development goals - Agenda 2030	<p><a href="#">\$lbl legenda sviluppo sostenibile</a></p>