



**dArTe**

**Dipartimento di Architettura e Territorio**

## **Lessons List**

**Prof. Alberto De Capua  
Arch. Valentina Palco  
Arch. Lidia Errante  
Arch. Ester Mussari**

**NAME OF THE DEGREE COURSE**

**FIVE-YEAR ARCHITECTURE WITH A SINGLE CYCLE**

**NAME OF THE COURSE                      Half-yearly**

**Materials for Architecture and Technological Innovation (6 ECF)**

**Materials Technologies for the Environment (6 ECF)**

Tuesday 10.30-13.30 – aula L7

Thursday 8.30-10,30 - aula L5

**A.A. 2019/2020**



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SUBJECT OF THE LESSON	SUBJECT OF THE LESSON
<p><b>N. 1</b> 10,30/13,30 - 3 h</p> <p><b>PRESENTATION OF THE COURSE</b> Presentation of activities: objectives, contents, exercises.</p> <p><b>PPT 1: TERMINOLOGY AND DISCIPLINARY APPROACHES.</b> Definition of Architecture Technology, Building Process, Standards, Quality</p> <p>15 10 2019</p>	<p><b>N. 2</b> 8,30/11,30 - 3 h</p> <p><b>PPT 2: "STRUCTURE AND QUALITY OF BUILDING MATERIALS".</b></p> <p><b>PPT 3: 'BUILDING ORGANISATION.</b> The building as a system. The building system and the technological system".</p> <p>17 10 2019</p>
SUBJECT OF THE LESSON	SUBJECT OF THE LESSON
<p><b>N. 3</b> 10,30/13,30 - 3 h</p> <p><b>PPT 4: "HISTORY OF MATERIALS FOR ARCHITECTURE.</b> Introduction to the study of materials, historical reading of traditional and innovative building materials".</p> <p>22 10 2018</p>	<p><b>N. 4</b> 8,30/11,30 - 3 h</p> <p><b>PPT 5: "CONSTRUCTIVE PRINCIPLES AND PROCESSES".</b></p> <p>24 10 2019</p>
SUBJECT OF THE LESSON	SUBJECT OF THE LESSON
<p><b>N. 5</b> 10,30/13,30 - 3 h</p> <p><b>PPT 6: "PROJECT REPRESENTATION".</b></p> <p>29 10 2019</p>	<p><b>N. 6</b> 8,30/11,30 - 3 h</p> <p><b>MATERIALS - Stone - Wood - Bricks and ceramic materials</b></p> <p>31 10 2019</p>

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SUBJECT OF THE LESSON	SUBJECT OF THE LESSON
<p><b>N. 7</b> 10,30/13,30 - 3 h</p> <p>PPT 7: Construction Nodes - Classroom Exercise Node: Basic closure Node: Coverage</p> <p>5 11 2019</p>	<p><b>N. 8</b> 8,30/11,30 - 3 h</p> <p>PPT 8: " SUPPORT STRUCTURE". Functional issues, Foundation structures, Horizontal and vertical containment structures</p> <p>PPT 9: " SUPPORT STRUCTURE". Elevation structures, vertical elements.</p> <p>Exercise: technical elements</p> <p>7 11 2019</p>
SUBJECT OF THE LESSON	SUBJECT OF THE LESSON
<p><b>N. 9</b> 10,30/13,30 - 3 h</p> <p>PPT 10: " SUPPORT STRUCTURE". Elevation structures, horizontal and inclined elements. Exercise: technical elements</p> <p>Exercise: technical elements</p> <p>12 11 2019</p>	<p><b>N. 10</b> 8,30/11,30 - 3 h</p> <p>PPT 11: "VERTICAL WALL ". Matt vertical wall</p> <p>Exercise: technical elements</p> <p>14 11 2019</p>
SUBJECT OF THE LESSON	SUBJECT OF THE LESSON
<p><b>N. 11</b> 10,30/13,30 - 3 h</p> <p>MATERIALS - Steel - Plastics - Glass - Concrete</p> <p>19 11 2019</p>	<p><b>N. 12</b> 8,30/11,30 - 3 h</p> <p>PPT 11: "VERTICAL WINDOW". Transparent vertical window</p> <p>Exercise: technical elements</p> <p>21 11 2019</p>

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<b>SUBJECT OF THE LESSON</b>	<b>SUBJECT OF THE LESSON</b>
<p><b>N. 13</b> 10,30/13,30 - 3 h</p> <p><b>PPT 12: "CLOSE FLOOR". Horizontal and top closure</b> Classroom exercise on technical elements:</p> <p><b>26 11 2019</b></p>	<p><b>N. 14</b> 8,30/11,30 - 3 h</p> <p><b>PPT 12: "HORIZONTAL FLOOR". Horizontal and top roof</b> Classroom exercise on technical elements</p> <p><b>28 11 2019</b></p>
<b>SUBJECT OF THE LESSON</b>	<b>SUBJECT OF THE LESSON</b>
<p><b>N. 15</b> 10,30/13,30 - 3 h</p> <p><b>PPT 13: 'INTERNAL PARTITIONS'. Vertical, horizontal partition</b> Classroom exercise on technical elements</p> <p><b>03 12 2019</b></p>	<p><b>N. 16</b> 8,30/11,30 - 3 h</p> <p><b>PPT 14: 'INTERNAL PARTITIONS'. Inclined partition.</b> Classroom exercise on technical elements</p> <p><b>05 12 2019</b></p>
<b>SUBJECT OF THE LESSON</b>	<b>SUBJECT OF THE LESSON</b>
<p><b>N. 17</b> 10,30/13,30 - 3 h</p> <p><b>PREPARATION FOR THE FINAL EXAM</b></p> <p><b>10 12 2019</b></p>	<p><b>N. 18</b> 8,30/11,30 - 3 h</p> <p><b>PREPARATION FOR THE FINAL EXAM</b></p> <p><b>12 12 2019</b></p>

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ARGOMENTO DELLA LEZIONE	ARGOMENTO DELLA LEZIONE
<b>N. 19</b> 10,30/13,30 - 3 h  <b>PREPARATION FOR THE FINAL EXAM</b>  17 12 2019	<b>N. 20</b> 8,30/11,30 - 3 h  <b>PREPARATION FOR THE FINAL EXAM</b>  19 12 2019
ARGOMENTO DELLA LEZIONE	ARGOMENTO DELLA LEZIONE
<b>N. 19</b> 10,30/13,30 - 3 h  <b>PREPARATION FOR THE FINAL EXAM</b>  07 1 2020	<b>N. 20</b> 8,30/11,30 - 3 h  <b>PREPARATION FOR THE FINAL EXAM</b>  09 1 2020

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