

## Course Information Package

PLANNING FORM FOR AN EDUCATIONAL MODULE  
(to be completed by the teacher)

### PART A: Student Workload Analysis

Programme of Studies:	<i>BA in Interior Design</i>		
Name of the Course:	<i>IND225 Materials and Applications</i>		
Target group and type:	<i>Interior Design students</i>		
Level of the unit:	<i>BA –4<sup>th</sup> Semester</i>		
Entrance requirements:	<i>IND211</i>		
Number of ECTS credits:	<i>5 (Average student working time: 125 hours)</i>		

Competences to be developed:		Program Competences
1	To recognize the various materials used in interior design applications.	A8
2	To comprehend the physical and qualitative properties of materials as well as the processes involved in their application.	A2
3	To demonstrate an adequate knowledge of material resources within the market.	A4
4	To justify material choices and applications in projects.	B3
5	To revise architectural drawings based on materials application.	B5, C1
6	To incorporate skills and techniques derived from drawing and studio art courses into the application of materials in architectural drawings.	B6, C4

Estimated student's work time distribution in hours:			
Contact hours		Student's private time	
Lecture	8	Project work	20
Studio Work	6	Experimentation	10
Industry/Site Visits	12	Research	25
Interim Critique	3	Interim Critiques Preparation	6
Final Critique	3	Final Critique Preparation	4
Assessments	3	Use of Resources	15
		Tutorial	10
Total:	35	Total:	90

<b>Learning outcomes</b>	<b>Educational activities</b>	<b>Estimated student's work time in hours</b>	<b>Assessment</b> Continuous Assessment based on Project work
<b>Students should be able to:</b>			
<b>Week 1:</b>  General introduction to subject.  Lecture: Introduction to materials for Interior Design.  Hand out project and Group Discussion	Lecture Attendance	2	<b>Design Intelligence – 40%</b>  <b>Research and Methodology – 20%</b>  <b>Experimentation and Analysis – 20%</b>  <b>Time management and Presentation – 20%</b>
	Studio Work	-	
	Project work/ Experimentation/ Research/Resources	4	
	Industry/Site Visit	-	
	Interim Critique Preparation	-	
	Final Critique Preparation	-	
	Tutorial	-	
<b>Week 2:</b>  Industry/Site Visit	Lecture Attendance	-	
	Studio Work	-	
	Project work/ Experimentation/ Research/Resources	6	
	Industry/Site Visit	2	
	Interim Critique Preparation	-	
	Final Critique Preparation	-	
	Tutorial	-	
<b>Week 3:</b>  Lecture: Wood  Project: Individual Studio Work	Lecture Attendance	1	
	Studio Work	1	
	Project work/ Experimentation/ Research/Resources	6	
	Industry/Site Visit		
	Interim Critique Preparation	1	
	Final Critique Preparation	-	
	Tutorial	1	
<b>Week 4:</b>  Industry/Site Visit	Lecture Attendance	-	
	Studio Work	-	
	Project work/ Experimentation/ Research/Resources	6	
	Industry/Site Visit	2	
	Interim Critique Preparation	2	

	Final Critique Preparation	-	
	Tutorial	1	
Week 5:  Lecture: Metal  Project: Individual Studio Work	Lecture Attendance	1	
	Studio Work	1	
	Project work/ Experimentation/ Research/Resources	6	
	Industry/Site Visit	2	
	Interim Critique Preparation	1	
	Final Critique Preparation	0	
	Tutorial	1	
Week 6:  Industry/Site Visit	Lecture Attendance	-	
	Studio Work	-	
	Project work/ Experimentation/ Research/Resources	6	
	Industry/Site Visit	2	
	Interim Critique Preparation	1	
	Final Critique Preparation	-	
	Tutorial	1	
Week 7:  Lecture: Masonry/ Concrete  Project: Individual Studio Work	Lecture Attendance	1	
	Studio Work	1	
	Project work/ Experimentation/ Research/Resources	6	
	Industry/Site Visit	-	
	Interim Critique Preparation	-	
	Final Critique Preparation	-	
	Tutorial	1	
Week 8:  Industry/Site Visit	Lecture Attendance	-	
	Studio Work	-	
	Project work/ Experimentation/ Research/Resources	6	
	Industry/Site Visit	2	
	Interim Critique Preparation	1	
	Final Critique Preparation	-	
	Tutorial	1	

Week 9:  Lecture: Glass/ Textiles  Project: Individual Studio Work	Lecture Attendance	1	
	Studio Work	1	
	Project work/ Experimentation/ Research/Resources	6	
	Industry/Site Visit	-	
	Interim Critique Preparation	-	
	Final Critique Preparation	-	
	Tutorial	1	
Week 10:  Industry/Site Visit	Lecture Attendance	-	
	Studio Work	-	
	Project work/ Experimentation/ Research/Resources	6	
	Industry/Site Visit	2	
	Interim Critique Preparation	-	
	Final Critique Preparation	-	
	Tutorial	1	
Week 11:  Lecture: Plastics/Synthetics  Project: Individual Studio Work	Lecture Attendance	1	
	Studio Work	1	
	Project work/ Experimentation/ Research/Resources	6	
	Industry/Site Visit	-	
	Interim Critique Preparation	-	
	Final Critique Preparation	2	
	Tutorial	1	
Week 12:  Industry/Site Visit	Lecture Attendance	-	
	Studio Work	-	
	Project work/ Experimentation/ Research/Resources	6	
	Industry/Site Visit	2	
	Interim Critique Preparation	-	
	Final Critique Preparation	2	
	Tutorial	1	

Week 13:  Lecture: Smart Materials  Final presentation of project.	Lecture Attendance	1	
	Studio Work	1	
	Project work /Experimentation/ Research/Resources	-	
	Industry/Site Visit	-	
	Interim Critique Preparation	-	
	Final Critique Preparation	-	
	Tutorial	-	
<b>Total:</b>		<b>116</b>	

Assessment Contact Hours	Hours
Interim Critique	3
Final Critique	3
Final Assessment	3
<b>Total:</b>	<b>9</b>

## **PART B: Complementary Material**

### **Course Content (Syllabus):**

The course introduces students to the physical properties and qualities of various materials used in the design industry. With the help of illustrated material lectures, students will acquire basic knowledge on their application in interior spaces. The development of selection criteria based on multiple factors such as aesthetics, performance and environmental issues, is also an important part of the course.

Additionally, visits to commercial spaces and hands-on involvement with real materials, will familiarize students with the different materials and their qualities, their advantages and disadvantages, as well as treatments they need, so as to be able to make their choices on applications.

By means of exercises throughout the course, the students will be able to apply the techniques learnt from the drawing and studio art classes, in order to achieve visually the desired aesthetic effect through their drawings. Highlighting selected qualities of materials through photography and other drawing methods is also part of the course.

The skills acquired in this course will also be applied in the Interior Design course and Architectural Drawing projects in the following semesters.

**Teaching Methodology:****- Illustrated lectures**

Providing the basic introduction to the subject and delivery of the elements to be further reinforced with other teaching methods. Learning is enhanced with discussion and demonstration of examples.

**- Visits to shops and workshops**

Providing the opportunity to expand the students' knowledge along the market and be more aware of the professional practice. They also keep being informed about new materials and procedures.

**- Demonstration of materials**

Give the opportunity to have a hands-on experience with the topics engaged in the course and understand better the materials discussed in the lecture sessions.

**- Seminars with external specialists**

Further enhance the link with the interior design industry by expanding the student's contacts and references.

**- Weekly exercises**

Emphasize the active engagement of the student in the topic taught each session by implementing their critical thought through exercise applications.

**Language of Instruction:**

English

<b>Assessment Type</b>		<b>Weights</b>
Interim Critique	Live Project Work	33%
Final Critique	Live Project Work	33%
Final Assessments	Live Project Work	34%
	<b>TOTAL</b>	<b>100%</b>

**Note:** The assessment criteria for Interim/Final Critiques and the Final Assessment are: Design Intelligence 40%, Research and Methodology 20%, Experimentation and Analysis 20%, Time management and Presentation 20%

**Bibliography:****References:**

1. 1. Ballard Bell, V. (2006). *Materials for Design*. Princeton Architectural Press, New York.
2. 2. Deplazes, A. (2008). *Constructing Architecture: Materials, Processes, Structures*. Birkhauser, Basel.
3. 3. Lefteri, C. (2001). *Materials for Inspirational Design*. RotoVision, Hove, UK.
4. 4. McMorrough, J. (2006). *Materials, Structures and Standards*. Rockport Publishers, New York.
5. 5. Plunkett, D. (2010). *Construction and Detailing for Interior Design*. Laurence King, London.
6. 6. Ternaux, E. (2011). *Material World 3: Innovative Materials for Architecture and Design*. Frame Publishers, Amsterdam.
7. 7. Weston, R. (2003). *Materials, Form and Architecture*. Laurence King Publishing, London
8. 8. Architectural and design magazines, commercial brochures and catalogues.