

## 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>IND314 New Material Innovation</i>	
Target group and type:	<i>Interior Design students</i>	
Level of the unit:	<i>BA – 6<sup>th</sup> Semester</i>	<i>Intermediate</i>
Entrance requirements:	--	
Number of ECTS credits:	<i>6 (student working time: 150hours)</i>	

Competences to be developed:		Program Competences
1	Ability to identify and discuss the use of various materials in relation to a given project brief.	C1, A8
2	Ability to recognise the importance of in depth research in regards of the design of a materials for a specific product area so as to solve and translate the design needs for the required result in 1:1 scale shelter design.	B7, B5
3	Capacity to examine historical and contemporary references as well as experimenting with alternative materials so that the student makes correct choices and create innovative designs which translate the concept of the project brief.	C3, C7, A3
4	Skills required for dealing with advanced and more complex problems in design through the presentation and analysis of the concepts and theories of different artistic and architectural movements as.	C3, C2, C5
5	Ability to create an end product which is visually exciting and which has challenged the students conceptual thought process, showing how important materials can be.	B5, C5, C11, C12

Estimated student's work time distribution in hours:			
Contact hours		Student's private time	
Lecture	18	Project work	24
Studio Work	15	Experimentation	24
Final Critique	3	Research	10
Interim Critiques	3	Interim Critiques Preparation	12
Final Assessment	3	Final Critique Preparation	18
		Use of Resources	13
		Tutorials	10
Total:	42	Total:	108

Learning outcomes	Educational activities	Estimated student's work time in hours	Assessment
Students should be able to:			
Identify and debate on materials and their application with historical reference.  Acquire general knowledge of cultures throughout history as far as mobile dwellings are concerned.	Lecture attendance	6	
	Studio Work	3	
	Project work/ Experimentation/Research	10	
	Interim Critique Preparation	4	
	Final Critique Preparation	0	
	Tutorial	0	
Associate and reference materials and their application to artistic and architectural movements.  Document research and create a sketchbook to support it.  Experiment with materials to understand the qualities and behaviour.	Lecture Attendance	6	
	Studio Work	3	
	Project work/ Experimentation/Research	12	
	Interim Critique Preparation	4	
	Final Critique Preparation	0	
	Tutorial	4	
Analyse and understand construction and creative design.  Understand the project brief, which is to create a 1:1 stand alone space with evident usage of material innovation.	Lecture Attendance	6	
	Studio Work	5	
	Project work/ Experimentation/Research	12	
	Interim Critique Preparation	4	
	Final Critique Preparation	5	
	Tutorial	4	
Apply the knowledge acquired from historical and contemporary theory to students design projects.  Apply current knowledge acquired to their designs.  To produce scale models and digital 3d representations of their final design concepts.  Experiment with final material choices and apply their findings to their project.	Lecture Attendance	0	
	Studio Work	2	
	Project work/ Experimentation/Research	12	
	Interim Critique Preparation	0	
	Final Critique Preparation	5	
	Tutorial	4	
To produce a 1:1 scale shelter using the concept of material innovation.  Self-assess their project, present and support their choices.	Lecture Attendance	0	
	Studio Work	2	
	Project work/ Experimentation/Research	12	
	Final Critique Preparation	5	
	Tutorial	3	
<b>Sub-Total:</b>		128	

Use of internal and external resources		Hours
Library	Literature search, research	6
General IT labs	Internet use	3
Specialist material retail points	Research, material source	4
<b>Total:</b>		<b>13</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 student is introduced to the design and manufactured of various materials for interior application. It is a combination from materials and applications and new material innovation where students work not only from taught material through lectures but project work, assimilating the two to result in a 1:1 scale design outcome.

### **Teaching Methodology:**

Illustrated lectures, extended project briefings and group critiques. Viewing of plays and feature films. One to one tutorials encouraging individuality and identity. Primary and secondary research, student centered practical work, realization of project work.

**Note:** The assessment weights for the final exam the coursework (and the laboratory work) are decided by the Department before the beginning of the semester. The details on the number of tests/homework assignments projects etc, as well as their assessment weights are decided by the academic staff responsible for the course.

**Bibliography:****Textbooks:**

1. Smart Materials in Architecture, Interior Architecture and Design, Axel Ritter, Birkhauser, (2007)
2. Materials and Interior Design, Lorraine Farrelly, Laurence King, (2012)
3. Interior Surfaces and Materials : Aesthetics, Technology, Implementation, Christian Schittich, Birkhauser, (2009)
4. Interior Spaces : Space, Light, Materials, Christian Schittich, Birkhauser, (2002)
5. Materials, Structures and Standards, Julia McMorrough, Rockport, (2006)
6. XS: Small Structures, Green Architecture, Phyllis Richardson, University Publishing NY (2007)
7. XS Extreme: Big Ideas, Small Buildings, Thames & Hudson (2009)

**References:**

Visual contemporary references in the form of magazines are required: Domus, Wallpaper, Ottogono, Mark, Icon, Frame, Interni, Damn

References should also include websites with suggestions of:

[www.worldarchitecturenews.com](http://www.worldarchitecturenews.com)

[www.designboom.com](http://www.designboom.com)

[www.arcspace.com](http://www.arcspace.com)

Visual contemporary references in the form of online magazines [www.dezeen.com](http://www.dezeen.com),  
[www.yatzer.com](http://www.yatzer.com), [www.designer.com](http://www.designer.com), [www.mocoloco.com](http://www.mocoloco.com)