

PART A: Student Workload Analysis

Programme of Studies:	<i>BA in Interior Design</i>		
Name of the Course:	<i>IND214 Lighting Design I</i>		
Target group and type:	<i>Interior Design students</i>		
Level of the unit:	<i>BA –3rd Semester</i>		
Entrance requirements:	-		
Number of ECTS credits:	<i>5 (Average student working time: 125 hours)</i>		

Competences to be developed:		Program Competences
1	To recognize the importance of light in everyday life and particularly in design environments and how this affects humans and spaces	A3, B1, C2
2	To employ effective lighting techniques in order to manipulate spaces and create moods	A9.C1
3	To experiment with various unconventional and innovative materials in order to creatively explore and test their suitability in lighting fixture design	C5
4	To select suitable concepts/ design proposals for manufacturing, either for prototype or mass production	A4, A9
5	To create work which visually translates, promotes and communicates with the specified audience the required qualities and that stimulates and questions constructively the possibilities and boundaries of contemporary lighting fixture design	A2,C1,C10
6	To recognize the importance of light in everyday life and particularly in design environments and how this affects humans and spaces	A3, B1, C2

Estimated student's work time distribution in hours:			
Contact hours		Student's private time	
Lecture	13	Project work	25
Studio Work	13	Experimentation	25
Interim Critique	3	Research	8
Final Critique	3	Interim Critiques Preparation	6
Assessments	3	Final Critique Preparation	2
		Use of Resources	15
		Tutorial	9
Total:	35	Total:	90

Learning outcomes	Educational activities	Estimated student's work time in hours	Assessment
Students should be able to:			
Week 1: General introduction to subject. Introduction to lighting design. Lecture: Lighting for interiors. Hand out project 1: (Paper Lamp) Verbal and written briefing, analysis. Mind Mapping.	Lecture Attendance	2	<ul style="list-style-type: none"> • Live Project Work
	Studio Work	-	
	Project work/ Experimentation/ Research/Resources	4	
	Interim Critique Preparation	-	
	Final Critique Preparation	-	
	Tutorial	-	
Week 2: Lecture: Measurement of light. Light distribution. The importance of light for form and texture.	Lecture Attendance	1	
	Studio Work	1	
	Project work/ Experimentation/ Research/Resources	6	
	Interim Critique Preparation	-	
	Final Critique Preparation	-	
	Tutorial	-	
Week 3: Lecture: Natural light. Controlling daylight. Project: Experimentation with materials and small models.	Lecture Attendance	1	
	Studio Work	1	
	Project work/ Experimentation/ Research/Resources	6	
	Interim Critique Preparation	1	
	Final Critique Preparation	-	
	Tutorial	1	
Week 4: Lecture: Artificial light. Light sources. Project: Concept developing and selection of models	Lecture Attendance	1	<ul style="list-style-type: none"> • Live Project Work
	Studio Work	1	
	Project work/ Experimentation/ Research/Resources	6	
	Interim Critique Preparation	2	
	Final Critique Preparation	-	
	Tutorial	1	
	Lecture Attendance	0	<ul style="list-style-type: none"> • Live Project Work
	Studio Work	2	

<p>Week 5:</p> <p>Mid presentation of project.</p> <p>Project: Presentation of Final Paper Lamp</p>	Project work/ Experimentation/ Research/Resources	6	<ul style="list-style-type: none"> • Presentation (Interim Critique)
	Interim Critique Preparation	1	
	Final Critique Preparation	0	
	Tutorial	0	
<p>Lecture: Incandescent lamps</p> <p>Project: Presentation and project Briefing of Material Lamp</p>	Lecture Attendance	1	<ul style="list-style-type: none"> • Live Project Work
	Studio Work	1	
	Project work/ Experimentation/ Research/Resources	6	
	Interim Critique Preparation	1	
	Final Critique Preparation	-	
	Tutorial	1	
<p>Lecture: Fluorescent lamps.</p> <p>Project: Experimentation with materials and small models.</p>	Lecture Attendance	1	
	Studio Work	3	
	Project work/ Experimentation/ Research/Resources	6	
	Interim Critique Preparation	-	
	Final Critique Preparation	-	
	Tutorial	-	
<p>Lecture: HID lamps and other types of lamps.</p> <p>Project: Concept developing and selection of models and materials.</p>	Lecture Attendance	1	<ul style="list-style-type: none"> • Live Project Work • Presentation (Interim Critique)
	Studio Work	1	
	Project work/ Experimentation/ Research/Resources	6	
	Interim Critique Preparation	1	
	Final Critique Preparation	-	
	Tutorial	1	
<p>Lecture: LED Lamps</p> <p>Project: Prototype model making. Common and individual discussion on problem solving.</p>	Lecture Attendance	1	
	Studio Work	1	
	Project work/ Experimentation/ Research/Resources	6	
	Interim Critique Preparation	-	
	Final Critique Preparation	-	
	Tutorial	1	

Lecture: types of lighting. Project: Common and individual discussion on problem solving.	Lecture Attendance	1	• Live Project Work
	Studio Work	1	
	Project work/ Experimentation/ Research/Resources	6	
	Interim Critique Preparation	-	
	Final Critique Preparation	-	
	Tutorial	1	
Test.	Lecture Attendance	-	
	Studio Work	2	
	Project work/ Experimentation/ Research/Resources	6	
	Interim Critique Preparation	-	
	Final Critique Preparation	1	
	Tutorial	1	
Mid presentation of project. Product photography. Integration of objects in interior spaces.	Lecture Attendance	1	• Live Project Work
	Studio Work	1	
	Project work/ Experimentation/ Research/Resources	6	
	Interim Critique Preparation	-	
	Final Critique Preparation	1	
	Tutorial	1	
Final presentation of project.	Lecture Attendance	1	• Live Project Work • Presentation (Final Critique)
	Studio Work	-	
	Project work /Experimentation/ Research/Resources	3	
	Interim Critique Preparation	-	
	Final Critique Preparation	-	
	Tutorial	1	
Total:		116	

Assessment Contact Hours	Hours
Interim Critique	3
Final Critique	3
Final Assessment	3
Total:	9

PART B: Complementary Material

Course Content (Syllabus):

Theories and problems of lighting and illumination as an integral part of the concept of the interior and environmental design. Visual discomfort, light distribution, and lighting plans. Design of lighting fixtures based on contemporary lighting theories and using modern materials and techniques.

Teaching Methodology:

- Extended project briefings
- Visualising skills workshops
- exercises
- illustrated lectures
- group critiques
- Student centred practical work, personal research, realization and manipulation in project work
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Language of Instruction:

English

Assessment Type		Weights
Interim Critique	Live Project Work	33%
Final Critique	Live Project Work	33%
Final Assessments	Live Project Work	34%
	TOTAL	100%

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:

1. Lighting for Interiors, Malcom Innes, Laurence King, (2012)

References:

1. Bright: Architectural Illumination and Light Installations, Lowther, C & Schultz, C, Frame, (2008)
2. Bright 2, Architectural Illumination and Light Installations, Carmel McNamara, Frame, (2015)
3. Lighting by Design, Sally Storey, Pavilion Books (2005)
4. Perfect Lighting: New Tools and Techniques for Every Room in the Home, Sally Storey, Pavilion Books (2008)
5. 1000 Lights: 1960- Present v. 2: From 1960 to today, Charlotte Fiell and Peter Fiell, Tashen (2004)
6. Ultimate Lighting Design, Herve Descottes, TeNeues (2006)