

Creation Labs 1 Light

Àfrica Sabé Dausà

Course Code: 106069
Credits: 3 ECTS
Year: 3
Semester: First Semester
Type: Compulsory
Subject: XXXXX
Date: 6/2/2024 11:12

This Course is taught in: Catalan
Tutorials may be carried out in: Catalan, Spanish, English

Course Guide Index

Course Description	3
Recommendations	4
Contents	5
Methodology.....	6
Assessment	7

Brief description

In this creation laboratory, we will work with light as a mediating element between the observer and the scene or object observed. By touching and working with different light sources, we will discover how light can become object or matter depending on how we work with it and what its application is. Over a period of nine weeks, we will discover in a practical way how light can transform any project, changing our sensation or perception of it. We will also learn how to incorporate it in our designs in various fields, working with it as another material we can use to highlight and give prominence to a feature in any design project.

The course will be structured around a black box, which will serve as our starting point into the different fields of experimentation and which we will use to capture the light in each practical session. We will work on the object, its design, lighting and reflection, distorting reality and building a concrete vision.

Course objectives

Understand the relationship between the observer and the observed object, as well as the ways in which light is integral to this relationship and can modify it.

Work with light as a shaper of spaces, ambiances and moods.

Be able to analyse the role of light and lighting in any design regardless of the discipline (product, spatial or graphic design).

Train the eye to start looking instead of seeing.

Recommendations

No prior knowledge of the world of light and illumination is necessary, but students must approach this course with an open mind and have the curiosity to question what the eyes see.

Contents

The eye and light perception

Theoretical-practical class that will teach students about the functioning mechanism of the human eye—the perceptual basis of all natural and artificial light that surrounds us. We will also work on concepts relating to light and health.

Representation of light

Practical workshops will teach students how to represent light, and how to begin and design a lighting installation.

Light and colour

Experiments that will help students understand the primary colours, how light can be added and subtracted to these, and how to design coloured shadows working with white light. Experimental class.

Guest artist

A guest artist specialising in light will present her research and her work to the class.

Visit to the facilities and showrooms of two lighting manufacturers/distributors.

Students taking the course will also go on a visit to the factory of a local decorative lighting company and to the Barcelona offices of a European lighting manufacturer. Thus, they will get a chance to see the product these companies manufacture live and get a first-hand account of the design, production and installation processes used by lighting designers. The date and address will be announced once the lesson plan and the companies' availability are confirmed.

Core exercise

We will build a light box, which we will use to experiment with the different concepts that the course will introduce each week.

Teaching methodology

The course will include experimental sessions, in which samples and different materials provided by the students, the professor and the guests will be manipulated in a "light laboratory" with the goal of learning by experimenting.

Activities

ACTIVITY 1

Creating a light box - 80%

50% Light box creation process 30% final light box delivery

ACTIVITY 2:

Specific activities that will come up in each class - 10%

Attendance 10%

Assessment system

The aim of the continuous assessment approach is for students to be able to track their academic performance throughout the course, in order to allow them to improve it.

From the second enrolment onwards (i.e. if you have enrolled in the course before), the assessment of the subject may consist, at the discretion of the professor(s), of a final exam, which will allow the professor(s) to evaluate if the learning outcomes listed in the course guide have been achieved. In this case, the grade achieved in the exam will also be the overall grade awarded for the course.

General Assessment Regulations

// In order to pass a course, students must obtain a minimum grade of 5.0.

// Once a student has passed a course, he or she cannot be subject to a new assessment or be re-graded on that course.

// Any student who has not submitted all assignments required to be handed in or has attended less than 80% of the classes without having justified these absences will be considered "Not Assessed" (NA). In the case of justified absence, students must contact their professor(s) once they return to class to determine how they will make up for the classes they have missed.

// In the event that a student commits any irregularity that could lead to a significant variation in an exam or assignment grade, this exam or assignment will be graded 0, regardless of any disciplinary proceedings that may be initiated. In the event of various such irregularities for exams or assignments pertaining to the same course, the final grade for this course will be 0.

Appeal process

Students may appeal a grade by making a formal request to this effect to the faculty. Any revisions of grades will be carried out according to the academic calendar.

Re-assessment process

General Regulations

It is not possible to appeal a grade in the case of internships external to EINA, final degree projects, and assignments/activities that, due to their eminently practical nature, do not allow it.

To participate in the grade review, students must have previously completed and been graded on other assignments whose total weight is equivalent to a minimum of two thirds of the total grade for the course or module.

Assessment Criteria

Assessments will evaluate students' ability to develop an entrepreneurial project, starting from the identification of the need all the way through to the oral presentation of their business idea to investors. The developed capabilities will be demonstrated through the completion, submission and oral presentation of the Business Plan. The ability to synthesise and communicate knowledge, the quality of the designed products, the ability to analyse the market and global context, and the consequent strategic decision-making will all be assessed. The course will also include periodic assessments that will evaluate specific abilities and whether students have mastered the concepts taught in the plenary classes and seminars.