Course guide
210294 - LBCN - Festival Llum Bcn

Unit in charge: Barcelona School of Architecture
Teaching unit: 735 - PA - Department of Architectural Design.

Degree: DEGREE IN ARCHITECTURE STUDIES (Syllabus 2014). (Optional subject).

Academic year: 2022  ECTS Credits: 3.0  Languages: Catalan, Spanish, English

LECTURER

Coordinating lecturer: Félix Solaguren-Beascoa
Daniel García-Escudero

Others:

PRIOR SKILLS

It is important to have skills for teamwork, research, experimentation, conceptualization, design, executive resolution, documentary production and executive production and making.

REQUIREMENTS

It is an essential requirement to have accomplished 3rd year's Architectural Design.

TEACHING METHODOLOGY

The subject will emphasize the "design through making" method, with an eye on the research and the design through experimentation and the construction of 1:1 scale prototypes, in order to learn and consolidate the design of the installation.

LEARNING OBJECTIVES OF THE SUBJECT

- To learn to work with light and shadow as a building material
- To learn to work with materials and their behavior in the face of light
- To learn to carry out a complete project and its execution
- To learn technologies and construction systems
- To learn computational design and digital fabrication
- To learn to design and make with one's own hand
- To learn to organize constructive processes
- To learn to work for projects and goals
- To learn to work in a collaborative team
- To learn to manage time and material and human resources

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Hours large group</td>
<td>33,0</td>
<td>44.00</td>
</tr>
<tr>
<td>Self study</td>
<td>42,0</td>
<td>56.00</td>
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</tbody>
</table>

Total learning time: 75 h
Description:
The ETSAB once again takes part in the Llum BCN festival in the Poblenou district of Barcelona. The school, through this elective subject, will be represented by its team of students, who will design and build with their own hands a light installation for the festival, which will take place in February.

Llum BCN began in 2012 as a small festival of urban lighting with the object to highlight the beauty of the city’s buildings. With the experience of the previous editions, in 2012 and 2013, the need arose to reinforce the idea of a monument and the urgency of involving the public by offering a city experience and a new night landscape.

The festival traces a tour within the city to offer the visitor familiar scenarios as a new experience. The festival will offer a part of these spaces to students from schools of Architecture, Art and Design to make and execute lighting proposals (each school is assigned a different space and an equal budget and also a deadline to present a project at the festival).

In 2018 the festival is moved to the Poblenou district. A change of location, which became a new challenge, as the new spaces to work are of a very different nature and therefore new strategies and other treatment of light and space were launched. Poblenou is a neighborhood with low population density, with an industrial past that has generated large empty spaces many of them currently inhabited by young people, universities, cooperatives, workshops, associations, etc ... The spaces chosen to offer schools are very diverse but always under a concept of "interstitial spaces", which link different places and are not spaces yet fully defined.

IDENTITY:
The way in which the project considers the identity of the Poblenou district, both in its social and heritage, architectural or historical aspects.

TRANSFORMATION:
The transformative capacity and how the piece can interact with the immediate space, generating new effects and perceptions, from the use of light.

ORIGINALITY:
Originality in terms of the use of the light resource in a creative and innovative way.

LANGUAGE:
The use of light as a language and not as a sector.

INTERACTION WITH THE PUBLIC:
The ability to suggest an interaction of the work with different types of users, offering new experiences for all audiences. Also the ability to reflect, to make an impact and offer an extraordinary lighting experience.

OPTIMAL RESOURCES:
The way in which the light resource has been used from a technological point of view, and especially, in terms of the convergence and simultaneous use of other technical resources (audio, video, materials, etc.)

EFFICIENCY:
It will be valued that the project is carried out, taking into account that the installation is highly efficient to achieve a good result that sustains the own limitations of space and budget. A coherent relation of the residual materials will also be valued that implies the proposal.

Specific objectives:
- To learn to work with light and shadow as a building material
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Related activities:
Team work sessions will run along the term: from the concept, to the experimentation, the debate and the project. According to the calendar established by the Institut de Cultura de l’Ajuntament de Barcelona (ICUB - Institute of Culture of the City Council), it is required to fulfill the two submissions of project until its development and executive definition. During the intensive week it is a must for the entire cohort of students to make and assembly the proposed installation, so as to take it to its accomplishment, that later will be installed in situ for the festival, in the Poblenou district in Barcelona.

Full-or-part-time: 75h
Practical classes: 33h
Guided activities: 42h

GRADING SYSTEM
Grades are based on the achievement of the team's commitment, as well as the individual attendance, endeavour and involvement of each student.

EVALUATION SYSTEM
Continuous assessment
Continuous assessment will be based on the work carried out by the student during the academic year, through the submission of assignments or the performance of written and/or oral tests, according to the criteria and timetable established.

Final assessment
If the continuous assessment is not positive, a second assessment may be carried out, which will consist of a final overall test in the established methodology according to the criteria of the lecturer in charge (written or oral test and/or submission of assignments).

Telematic continuous assessment
In online teaching situations, continuous assessment will be carried out synchronously and asynchronously, by the methods established by the University and the School, with a periodic record of academic activity by submitting assignments, forums, questionnaires or any other means provided by the Atenea platform, or the alternative tools provided to the teaching staff. In situations in which this telematic teaching takes place when face-to-face teaching has already begun, or for non-academic reasons, any alterations to the weightings or regular teaching control systems will be communicated in detail to all students on the Atenea platform for every subject.

Final telematic assessment
If the continuous telematic assessment is not positive, a second assessment may be carried out consisting of a final overall test in telematic format to be established in accordance with the criteria of the lecturers in charge and the ICT resources and tools provided by the University or the School.

The measures for adapting to distance teaching will be implemented in accordance with ICT security and personal data protection criteria to ensure compliance as regards Personal Data Protection legislation (RGPD and LOPDGDD).
BIBLIOGRAPHY

Basic:
- Weibel, Peter. LIGHT ART FROM ARTIFICIAL LIGHT. ZKM publicationen,