Professor Hynda Boutabba-Mili Tuesday 7/11/2023

University: Mohamed Boudiaf M'sila

Institute: Management of Urban Techniques

Department: Architecture

Academic year 2023-2024

Module: Project Workshop

Level: 1st year

 **Exercise 5: Analysis of an architectural work**

Considering the list below including some famous architects, the different sub-groups of students (maximum three for each sub-group) are asked to do the following:

- 1: The biography of the chosen architect: important dates of his career, type of artistic movement to which he belongs, list of the main works he has produced

- 2: Choose three of his architectural works: Justify, if possible, why you specifically chose each of these works. At what point in the designer's life were these works created (beginning or end of the architect's career)? Name the patron of the work (a state agency, an association, an important person, a particular client)

- 3: Identification of the building to be analysed (the chosen architectural work)

- Nature and function of the building: cultural facilities (theatre, opera house, exhibition pavilion), place of worship (mosque, church), residential facilities (palace, house-villa, building), sports facilities (stadium, gymnasium)

- Location: continent, country, city, district.

- Is it a compact or scattered building? Is there a relationship between its solids and voids?

- If possible, study the interaction of the building with its immediate environment (integration by continuity or contrast, explain your answer)

- 4: Spatial Analysis

- External dimensions of the building: length, width, types of corners

- Break down the plans into geometric shapes (Shapes of the main spaces of the building): round, rectangular, triangular, others

- Cite the principles of organization, the architectural approach, the guiding idea

- Draw spatial and functional diagrams.

- 5: Composition of the façade

- Choose the study of the main façade and possibly a side façade (the one that is visible to the public)

- Identify the type of façade used: curtain wall, ventilated façade, double skin façade

- height of the building analysed, number of floors, type of roof (flat, sloping, etc.)

- The principles of composition of facades: the different shapes used, where they are used (windows, doors, dormers)

- Is the façade asymmetrical or symmetrical? In the case of symmetry, what are the elements that have strengthened it? Is there a rhythm, a vertical or horizontal dominance, obvious proportions, a balance?

- Does the façade include decorative elements, what are their numbers and types? Where are they used?

- Identify the number and types of doors, what is their position on the façade?

- If possible, identify the materials used (marble, stone, steel, concrete, brick, etc.). Identify where they are used

Identify the main colours of the façade. (hot, cold), do they want to send a message?

**List of different architects**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Groups 1 & 7 | 2 &8 | 3-9 | 4-10 | 5-11 | 6-12 |
| Le Corbusier | Franc Lloyd Wright | Hassan Fathi | Robert Venturi | Henri Sauvage | Ieoh Ming Pei |
| Kurokawa Kisho | Richard Fuller | Adolf Loos | Bruno Zevi | Christopher Tilley | Jean Nouvel |
| Pierre Minassian | Viollet-le-Duc | Rem Koulhaas | Renzo Piano | Charles Moore/Walter Gropius | Norman Foster |
| Vitruvius | Cherles Jencks | Zaha Hadid/Charles Boccara | Bouchama Abder | Kenzo Tange | Mohamed Makia/Mario Bota |
| Mies Vander Rohe | Antoni Gaudí | Renzo Piano | Oscar Niemeyer | Jean Jack Delluz | F L Wright/Mario Martins |
| Ricardo Bofill | Santiago Calatrava | Tadao Ando | Fernand Poullon | Aldo Rossi | Renzo Piano/Alvar aalto |
| Stijl Group | Rifat Al Jadardji | Stijl Group/Mohamed Makia | Franck Gehry | Louis Kahn | Zaha Hadid/ Italo Rota |

**The duration of the exercise** is several sessions. It is spread out throughout the first half of the year, the winter holiday period. The presentation is planned for the beginning of the second half of the year

Good luck