

ALFA III. ADU_2020

Facultad de Arquitectura
Universidad de San Carlos de Guatemala.



Social housing. More than a roof ...

• Area of study:	Social Housing.
• Beginning and ending date:	July 23 to November 31.
• Number of students:	24, in teams of 3 students
• Schedule:	Monday to Thursday from 11:00 to 13:00
• Credits:	9.0
• Teaching team:	Head teacher(s): Arq. Romeo Flores Assistants:

1. Keywords/tags:

- Scarcity (nm2)
- Vulnerable social groups (nm2)
- Suburban/Peripheral area (nm2)
- Lack of infrastructure (nm2)
- Housing v/s workplace (nm2)
- Communities needs (nm2)
- Emergency and risk preventions (proposed by chile)
- Social innovation (proposed by chile)
- Sustainable lifestyle (proposed by chile)
- Public policy and services (proposed by chile)

2. Steps:

2.1 Conceptual activities, lectures by experts and research tasks. Local knowledge.

2.2 Investigation of the site and its immediate surroundings.

2.3 Mental map of the project

2.4 Master Plan for re-location and densification areas.

2.5 According to the comments posed by international experts, students will make changes or improvements in the plans.

2.6 Design activities for the new houses, including urban equipment. At this time interactive modifications and changes are made daily.

2.7 As evidence of the development of the project Students must keep a record of their activities during the previous month as they are continuously modifying its proposal to reach the final project.

2.8 Final presentation, models, plans.

3. Cluster

Chile/ Cuba

Venezuela/ Guatemala

Grecia/ Bolivia

4. Theme: More than a roof.....

For relocation, re-densification and rehabilitation of neighborhoods of Guatemala City

The Municipality of Guatemala has planned to relocate strategically the people of the gullies and ravines in other areas of the city. These areas should have easy access to public transport, seeking to minimize the amount of parking spaces and using this gained space in favor of the families. This clear objective intends to re-densify city blocks which are currently underutilized and that are adjacent to one of the routes of the public transport system called "Transmetro". At the same time, the project intends to benefit neglected sectors of the population. City blocks that are going to be re-densified are areas that have been abandoned by people of better economic resources, which have migrated to areas with better community or municipal services.

5. Objectives of the local design studio

- Working in parallel and in a collaborative way with the six partners of the ADU 2020, under the global and common Project of Social Housing during the second semester of the year 2012, addressing it at a local scale through the Project "more than a roof" The participating countries are: Bolivia, Chile, Greece, Venezuela, Cuba y Guatemala.
- · interdisciplinary participation and support of local stakeholders in the definition and preparation of the project, such as the Municipality of Guatemala, representatives of the people of the ravines or human settlements who are going to be relocated, representatives of zone 8 of Guatemala City, and finally, professionals of different disciplines that are going to be invited to share their knowledge and experience.
- · Utilization during the months of October and November of 2012 of the platform "OIKODOMOS", in order to realize a collaborative design with the other six partners, under the e-learning y b-learning templates.
- · The capacities of a group of students (maximum number 24) of Architectural design studio 8 working in groups during short periods of time, with different methodologies and teaching strategies will be demonstrated, under the coordination of Arch. Romeo Flores Venegas.
- · These actions will help to establish the differences between local and regional practices, in relation to architecture and teaching.

6. ADU aims to be tested

- General aim of the project: As partners of the ADU 2020, fulfill the requirements of the Pilot Project through the development of the Project "more than a roof", to be developed during the second semester of the year 2012, with students of Architectural design studio 8 of the Faculty of Architecture of USAC.

Specific aims:

Evaluation of the competences in architecture in order to establish regional differences, considering that students are being educated and therefore must comply with the capabilities determined by the level of training stated in the program of studies of the School of Architecture at the Universidad de San Carlos. The skills that will serve as a reference are taken from the Tunning project for Latin America, Second General Meeting, as in the formulation of the same, the Faculty of Architecture at the Universidad de San Carlos FARUSAC has been participating actively, those skills are expressed as follows:

Ability to project it in a creative way works of architecture and / or planning to fully meet the requirements of man, society and culture, assessing the context and considering the aesthetic and technical requirements. This will be accomplished through the evaluation of the following project, including these capabilities:

- Ability to perceive, conceive and manage a design idea by applying it in an urban space and architecture, as demonstrated by providing a graphic and volumetric response, appropriate and consistent with the requirements set out in the exercise version of the Pilot Project Guatemala,
- Ability to apply ideas in a specific context in an innovative way or applied differently, in order to resolve within the field of architecture and urbanism, housing needs and social life of the marginalized urban communities Guatemala City
- Ability to follow a design process, supported by strategies and teaching techniques making a bridge between theoretical requirements and an architectural response that gives an adequate housing solution to marginalized social sectors that have invaded the ravines surrounding Guatemala City.
- Ability to respond to the needs of the residents of marginal areas in Guatemala City, offering architectural and urban solutions that improve the living conditions of the poor, through a project that gives the opportunities to improve the quality of life and social skills. Recognize the design process as a research method. Ability to understand and apply research methods to solve creatively the demands of the human habitat at different scales and complexities Ability to define and materialize technology, construction and structural systems, environmental conditioning and facilities that are appropriate to the demands of the architectural and / or urban project, and that follow the local rules (Municipal Code, Constitution, etc.) and context. This will be done by evaluating, the proposed project which includes the following capabilities:
 - Ability to propose a structural building system-suited to the needs of a social housing project.
 - Ability to propose an energy efficient, water saving , housing project, through a wise selection of the appropriate shape, conditioning systems or facilities,
 - Ability to apply local regulations that are related to the design of social housing in the city of Guatemala.
- Criticism and Self criticism ability through the demonstration of its commitment to the project design "More than a roof ..."
- Mastery of the means and tools to communicate properly in oral, written, graphic and / or volumetric ideas, urban and architectural projects by following the guidelines stated in terms of A.D.U.

- “ Ability to communicate orally and in writing
- “ Ability to communicate in English
- “ Ability to use technology and current media and proposed platform
 - Ability to integrate multidisciplinary teams in order to demonstrate:
 - “ Ability to work in teams
 - “ Ability to integrate the observations of professionals from different disciplines and countries on the design of the project "More than a roof ..."
 - Ability to learn continuously, according to “ Demonstrate ability to act with commitment to quality, in situations which shows the ADU 2020 and the Faculty of Architecture of the USAC
 - Ability to develop the "More than a roof ..." project in its urban and architectural scale that meets a sustained and sustainable development offer in relation to environmental, social and economic development.

7. Methodology and relation with ADU partners:

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- interdisciplinary participation and support of local stakeholders in the definition and preparation of the project, such as the Municipality of Guatemala, representatives of the people of the ravines or human settlements who are going to be relocated, representatives of zone 8 of Guatemala City, and finally, professionals of different disciplines that are going to be invited to share their knowledge and experience.

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- The capacities of a group of students (maximum number 24) of Architectural design studio 8 working in groups during short periods of time, with different methodologies and teaching strategies will be demonstrated, under the coordination of Arch. Romeo Flores Venegas.

- These actions will help to establish the differences between local and regional practices, in relation to architecture and teaching.

8. Calendar of Tasks and activities

2.1 Conceptual activities, lectures by experts and research tasks. Local knowledge.

2.2 Investigation of the site and its immediate surroundings.

2.3 Mental map of the project.

These three stages will be shared on Friday September 28

2.4 Master Plan for re-location and densification areas.

The master plan will be shared on Friday October 5.

2.5 According to the comments posed by international experts, students will make changes or improvements in the plans.

From 2 to 15 October to review the comments shared information to make corrections and address comments.

2.6 Design activities for the new houses, including urban equipment. At this time interactive modifications and changes are made daily.

2.7 As evidence of the development of the project Students must keep a record of their activities during the previous month as they are continuously modifying its proposal to reach the final project.

Advisory process on the project, with the local teacher to prepare an initial proposal for solution.

First review: September 24 to 27.

Second review: October 1 to 4.

Third review: October 8 to 11.

Share the first project proposal: October 19.

From 20 to 28 October to review the comments shared information and make corrections.

Reviewing corrections: October 29 to November 2.

Fourth review: November 5 to 8.

Fifth review: November 12 to 15.

2.8 Final presentation, models, plans.

Period to prepare the final proposal: November 19 to 23.

Submission of the final proposal: Monday, November 26.

Review of the final presentation by the local teacher: November 27,28,29.

Final presentation to all partners: November 30.

Final evaluation, local professor from: from 3 to 7 December.

*** ADU 2020 shared activities. The activities outlined in red, will be held simultaneously by the partners involved in the pilot project.**