



**Lima Workshop 5-6-7 October 2016**

## CITYLAB MODULE

### General Information

UFRJ – Universidade Federal do Rio de Janeiro

DESIGN STRATEGIES FOR URBAN EXPANSION IN ENVIRONMENTAL FRAGILE AREAS – GUARATIBA/RIO DE JANEIRO

PROURB – Programa de Pós-graduação em Urbanismo

postgraduate level - Master in Landscape Architecture (MLA) and Master in Urbanism (MU)

School of Architecture and Urbanism – undergraduate level (AU)

Modality: Workshop (one semester)

Timing: second semester 2017 (from August to November)

Total number of students (approximately): 24 students

Number of students per group: 4 students (2 MLA + 1 MU + 1 AU)

SDG: Environmental impact of the cities; Green and public spaces; Links between urban, peri-urban and rural areas.

Short description of the module: Peri-urban landscapes present experimental possibilities for new approaches in design and planning in a multifunctional perspective, incorporating environmental values and local traditions. Focusing on Guaratiba neighborhood, which is located on Rio de Janeiro's outskirts, this module aims to study design alternatives for urban expansion taking into account the neighborhood socio-environmental dynamics and its fragile landscape.



### Local stakeholders

The stakeholders involved in the module are local government representatives; resident associations; professional associations and public agencies of urban development. They are representative of the main actors in the process. These are: Municipal Department of Environment, the ADEMI; local resident associations; IBAM - Brazilian Institute of Local Administration. They are expected to participate in the modules meetings, sharing experiences and demands in order to achieve feasible socio-environmental design strategies.

### Students

The students will work in groups of 4: two from MLA + 1 MU + 1 AU. They will be supported by tutors and teachers from different backgrounds. Their tasks will be to define the problem, develop the project and interact with stakeholders.

### Teachers

The teachers are from 3 faculties: Architecture and Urbanism; Law and Fine Arts. They comprise a multidisciplinary background: architects, landscape architects, urban designers, urban planners, lawyers, sociologists; geographers. The module will be followed by this interdisciplinary team. Tutors will organize discussions and facilitate the contact with the stakeholders. Online communications will be available.

### Integration and interdisciplinarity

The module will involve graduate and undergraduate students from three different degrees: MLA – MU - AU.

For MLA students the module will be developed along Studio I course. For students of the MU module will be developed along Atelier II course.

For undergraduate students at AU the module will be developed along Urban and Environmental Design course.

The multidisciplinary character of the module will be built through:

1) Different background of the participants:

- students from the two Masters courses (architects, designers, engineers, sociologists, urban planners, lawyers and geographers) and the undergraduated Architecture and Urbanism Students.

- lectures from different backgrounds (architects, urbanists, landscape architects, urban planners, lawyers, sociologist, designer)

- Stakeholders

2) The subject of the module, which requires a multidisciplinary

### Evaluation

The module will contribute to the discussion about the pedagogical and methodological issues concerning undergraduate and graduate curricula, integrating disciplines and fields of knowledge.

### Barriers and success factors

**SUCCESS** Integration of graduate and undergraduate degrees. Extension of the debate through a discussion among different areas of knowledge. Joint approach of the different actors involved in the project.

**BARRIERS** Difficulties of building an interdisciplinary methodology from different approaches of each discipline. Matching interests and priorities of the different actors involved. Political changes in local management. Ensuring project implementation.