**ARC 6911 Graduate Seminar/ ARC 4930 Undergraduate Seminar**

**School of Architecture/ College of DCP/UF**

 **The Finding Shade Imperative Syllabus/July 28 2024**

**Instructor Professor Martha Kohen** **mkohen@ufl.edu** **cell 3524941461**

Fall Semester 2024 Hours : Wednesdays period 11-E1-E2-(6.15 to 9.10 pm)

The Seminar will be administered synchronously online though a zoom platform. The professor will provide zoom invitations to students. Lectures by consultants might be pre-recorded for scheduling issues. Students will receive specific instructions regarding the digital tools for the class.

**Synopsis**

This Research, Discussion, and Proposal Seminar course aims to identify the vulnerability components of the Built Environments to the current connected and concurrent threats of Climate Change, Global Warming, urban inequities, Pandemic conditions and Economic uncertainties. The main focus will address the thermic conditions generated by sun exposure gains, from the perspective of our disciplines through Design, and the capabilities of Adaptation for Resiliency in these realms. Bringing **Shade into focus,** learning both from historical precedents, vernacular solutions and the documentation of recent developments, we will advance guidelines for redesign, retrofit and mitigation in existing structures, public housing and other dense conglomerates, neighborhoods and public spaces, as well as contribute to the adaptation of codes in sensitive situations. This Seminar course will build on **collaborative instances of interdisciplinary nature** with the Department of Environmental Engineering (ESSI), Botanical Consultancy with IFAS, integrating the Design, urban, architectural, and interior design focus, with Public Health studies and Social Risk. The overarching approach is that the current critical issues need to be faced with a systematic methodology and interdisciplinary components, while contributing from our specific discipline. We perceive the opportunity of achieving important energy and comfort gains, with affordable means.

The students will team in subject matters for research and discussion. We will produce an organized digital publication and a power point presentation for final discussion with team partners. These documents will integrate a future publication. The course is addressed to graduate and advanced undergraduate students of Architecture, but welcomes students from other allied disciplines, as well as doctoral students. The two main components consist of focused specific research regarding the provision of shade, and secondly the development of applied proposals for paradigmatic and scalable situations. It will be capped at 25 highly motivated individuals that are encouraged to submit a 500-word statement of purpose after registration.