General Course Description
The first advanced graduate studio addresses architecture informed by building program and context as well as the expressive potentials inherent in tectonics. Students are challenged to explore the aesthetic and symbolic relationship between building and context by investigating underlying cultural, historical and environmental forces involved in the creation of place within an urban environment. The studio culminates in a highly resolved building design proposal that also initiates a new public space in the city. Methodologically, the emphasis is on a self-directed exploration within a framework of studio and the multiple trajectories offered by companion courses both within and beyond the School of Architecture.

An introductory assignment acts as a catalyst to provoke a sequence of investigations that establish the framework of ideas for the remainder of the term. These are analyzed and reframed as an intellectual position from which the term evolves. Specifically, this first studio investigates the relationship between transportation infrastructure and its potential socio-economic impact on a regional scale. We will study the role of mass transportation facilities in contemporary culture and the part played in the definition of place through structural, material, and architectural design strategies; in particular within the context of the transportation building typology. We will also address the definition of the architectural program as it restructures civic space.

Educational Objectives
1. To engage context, programming, and tectonics as the primary generative activity affecting design processes
2. To encourage and refine speculative procedures of investigative production as an integral component of design activity
3. To intersect disciplinary thinking with broader cultural developments especially as they affect contemporary public buildings and civic space

Methods
1. Making the familiar unfamiliar. Investigating familiar and known contexts as places of renewed speculation and research
2. Developing integrated approaches to design that facilitate for speculative explorations on the complex relationships between space, structure, materialization and fabrication
3. Working in a more individually motivated design methodology through inquiry from various studio sources. Faculty are assigned to individual studios but work collaboratively on project development, group reviews and discussions which involve all studios
4. Greater emphasis is placed on self-assessment and self-criticism to establish intellectual positions

Process
The semester starts off with a short introductory project that explores different strategies to deal with a wide range of site conditions varying from rural to urban settings. Through these exploratory studies we will establish fundamental spatial, material, and tectonic responses to these different contexts. These will serve as a reference points for the second phase, a full building design project that will speculate on one of 17 commuter rail stations on the proposed Central Florida SunRail route in the greater region of Orlando. These stations engage issues of multi-modal transport interchange, rural and urban context settings, and the integration of civic programs into transportation infrastructure. The varying contextual conditions will be documented, mapped, and rigorously analyzed to form a foundational basis for the full building proposal. Proposals will engage public and civic programs in innovative ways, while challenging the banality of common infrastructural architecture, creating a hybridized "adaptable specificity" of programs. At the graduate level, a high level of conceptual clarity and tectonic resolution is expected; field trips and expert consultations will supplement the course at critical junctions.
Fab Lab Requirement
Students are required to register for access to the A² Fab Lab. The studio will be leveraging contemporary digital production techniques to further the integration of physical and digital modeling into the design process. Workshop and orientation sessions will be scheduled to familiarize students to the workflow and usage protocols of the Fab Lab facilities. Information on gaining Fab Lab access rights can be found here: http://www.arts.ufl.edu/aafablab/

Phase 1 – 3 weeks: 08/22 – 09/12

Urban Acupuncture
Urban acupuncture, a term coined by Jaime Lerner and Marco Casagrande, aims at large scale urban change with precise, targeted designs. As a metaphor and urban design strategy it is clear and simple. Teddy Cruz comments on this approach saying “The goal has been to achieve maximum effect with minimal gestures, to take existing patterns of use as a point of departure, and to develop urban solutions with enough persuasive force to change obsolete planning policy and zoning regulations” (Cruz 2005).

The pressure points
The Orlando SunRail plan was established as 61-mile corridor that will permanently connect regional community and employment destinations, including major hospitals serving Central Florida. The 17 planned stops-(our “pressure points”) are opportunities to make significant urban change with architecturally scaled interventions. The first phase tests the UA strategy by challenging the modest light rail station typology presented in many city planning documents.

Process
Each studio will randomly assign one of the 17 SunRail station points per student who are then charged with designing a new station for that location. The scale and function varies from relatively rural sites to denser urban contexts. The design strategy starts with the consideration of 3 interrelated systems-a large span roof, an enclosed volume of program and a new ground plane-public space. Beyond the obvious function of creating a sheltered space to wait for a train the station works as a catalyst for other functions and events sheltered by the roof and adjacent to the station. Phase 1 also works as a design probe to raise issues guiding studio discussions and the Phase 2 designs.

Outcomes
Physical Model of intervention at 1/16” = 1’ scale employing digitally fabricated techniques
One 24 x 36” plotted layout in portrait orientation with drawings, diagrams, images and explanatory abstract of 250 words.

Phase 1 Schedule
08/22 Monday  Studio introduction
08/26 Friday  Fab Lab Workshop / Orientation
08/29 Monday  Study Models
09/12 Wednesday  Phase 1 Review / Studio Walkthrough

Phase 2 – 10 weeks

Building Design + Public Space – Project resolution
During the beginning phase of this project, we will analyze the urban condition of Orlando at two scales. The first scale of inquiry studies the urban morphology and ecology of Orlando in a more general way and at a larger scale. Next, students will analyze in more detail the specific forces of the project site and the immediate surroundings with a focus on its formal spatial qualities and phenomenal aspects. This study will, in part, determine the parameters for the class site model (physical model scale to be determined) as
well as any digital model that might serve as a base layer for the building intervention proposal developed in phase 3. The collected data, any analysis, photographs, sketches, diagram drawings or other techniques facilitating the mapping study should be carefully choreographed into a format that can be documented and treated as valuable research for project presentations. Format for the study will be determined by the instructor.

This main phase of the project will focus on the building design and site plan strategy. During the Grad 1 semester students are expected to produce building proposals that are grounded in strong architectural concepts and that are simultaneously speculative and reach a high level of resolution. This semester project includes programming for an extensive new public space as part of the building design requirement. Developing a strong link to the community, interacting with selected City groups, neighborhood groups and committees of experts will provide opportunities for the studio to gain insight and expertise to supplement and support student design concepts. A common spatial program will issued to all the studios at the beginning of this phase of the project. The preliminary date for the midterm review is Wednesday, October 19 during the class period. An exhibit of the work produced up to that date will be exhibited in the Architecture Gallery during the week of October 24.

Final presentation boards and complete documentation of student projects will be prepared during the last two weeks of the semester. The final review date is November 22. We have two weeks after this presentation to respond to critiques, articulate the designs and present a project portfolio and physical models on December 06 as a public event.

*Phase 2 Schedule*

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>09/14</td>
<td>Phase 2 Introduction</td>
</tr>
<tr>
<td>09/16</td>
<td>Orlando Site Trip (details tba)</td>
</tr>
<tr>
<td>10/19</td>
<td>Phase 2 Mid-Term Review</td>
</tr>
<tr>
<td>10/24 – 10/28</td>
<td>Grad 1 Gallery Exhibit</td>
</tr>
<tr>
<td>11/22</td>
<td>Phase 2 Final Reviews w/ visiting critics</td>
</tr>
<tr>
<td>12/06</td>
<td>Portfolio Layouts Due / Studio Results Event</td>
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ANNEX A Readings
Below are selected general readings supplied by each instructor for study by all students. Each studio will develop a more extensive resource list supporting the conceptual direction of the studio over the course of the semester.

The function of form
Farshid Moussavi ; edited with Daniel Lópe... [et al.]
Author: Moussavi, Farshid
Published: Barcelona ; New York : Actar ; [Cambridge, Mass.] : Harvard University, Graduate School of Design, c2009.

The function of ornament
edited [and with an introduction] by Farshid Moussavi and Michael Kubo.
Published: Barcelona : Actar, Harvard University, Graduate School of Design, 2006

Ecological urbanism
edited by Mohsen Mostavi with Gareth Doherty.
Published: Baden, Switzerland : Lars Muller, 2010

Verb natures
[edited by Irene Hwang ... et al. ; Spanish to English translations by Graham Thomson].
Published: Barcelona : Actar, c2006.

Urbanisms : working with doubt
Steven Holl.
Author: Holl, Steven

Bouge l'architecture : villes et mobilités
[commissaires de l'exposition, Francis Rambert ... [et al.]] = Architecture on the move : cities and mobilities / [exhibition organizers, Francis Rambert ... [et al.]].

Carchitecture
Jonathan Bell ; [with additional texts by Liz Bailey ... et al.].

Zaha Hadid : car park and terminus Strasbourg : European Union Prize for Contemporary Architecture, Mies van der Rohe Award 2003
[concept and design: Stéphane Hof, Claudia Klein, Lars Müller].
Published: Baden : L. Müller, c2004.

Motortecture : Architektur für Automobilität = design for automobility
Dirk Meyhöfer.
Author: Meyhöfer, Dirk

The dimensions of parking.
Author: Trancik, Roger

**Book Title:** Finding lost space: theories of urban design

**Pub Year:** 1986

**Call Number:** NA9031.T73 1986 (ARCHITECTURE/FINE ARTS LIBRARY General Collection)

**Book Title:** The sustainable city II: urban regeneration and sustainability

**Authors:** International Conference on Urban Regeneration and Sustainability; Brebbia, C.A.; Martin Duque, J.F.; Wadhwa, L.C.

**Source:** 2002, 1034, WIT Press, Southampton, UK; Boston

**Book Title:** The Urban Condition: Space, Community, and Self in the Contemporary Metropolis

**Pub. Year:** 2004

**Authors:** De Meyer, Dirk, Versluys, Kristiaan, Borret, Kristiaan, Eeckhout, Bart, Jacobs, Steven, Keunen, Bart

**Book Title:** Colonizing the void: Adriaan Geuze, West 8 Landscape Architects

**Authors:** Hans van Dijk; A Geuze; Nederlands Architectuurinstituut;

**Publisher:** Rotterdam: NAI Publishers, 1996.

**Book Title:** “Terrain Vague” in ANYPLACE (New York: Rizzoli Press), p. 122

**Author:** Ignasi de Solà-Morales Rubió
ANNEX B- Policy Issues

Evaluation Policy
Students are expected to be present and prepared for all class sessions, group discussions reviews and field trips. Each instructor will outline the specific criteria to be used in evaluating projects. The School uses the University’s standard grading system, a letter grade that is translated into points of course credit as follows:

| Grade Values for Conversion May 11, 2009 and After |
|---------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Letter Grade                   | A                  | A-                 | B+                 | B-                 | C+                 | C-                 | D+                 | D-                 | E, I, NG, S-, U, WF |
| Grade Points                   | 4.0                | 3.67               | 3.33               | 3.00               | 2.67               | 2.33               | 2.00               | 1.67               | 1.33                | 1.00                | .67                 | 0.00                |

Please note that The University requires that a graduate student maintain a 3.0 (B) average to remain in good academic standing. Every possible effort is made to counsel students in academic difficulty to determine the cause and possible solution so that the student can complete and complete their studies in the University. The graduate design studio and support courses are in required sequences that must be taken in order.

An incomplete ("I") grade for any graduate or undergraduate architecture design studio prerequisite course must be resolved with a grade change form completed before the first day of class of the following semester in order to enroll in the next course of the studio sequence. Faculty that issue incomplete grades must be available to work with their student and complete the grade change form prior to the first day of classes the following semester. Special circumstances can be addressed through an official appeals process with the SoA Director and the approval of the course instructor.

Students with Special Needs
Students with special physical needs and requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation. All attempts to provide an equal learning environment for all will be made.

UF Grading Policy
Information on UF’s grading policy can be found at the following location:
http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html

College of Design, Construction and Planning
Spray Painting Policy
Spray painting, or the use of any other sort of aerosol spray, is not allowed in the Architecture Building, Rinker Hall and in Fine Arts C, except within the spray booth found in Room 211 of Fine Arts C. Students found in violation of this policy will be referred to the Dean of Students for disciplinary action.

*Syllabus note.
This is the master syllabus for all classes. Each instructor will provide a copy to their studio that establishes their specific course logics, methodologies and detailed schedules that complement this document. Any changes made to the master or studio specific syllabi will be discussed in class beforehand.