



COLLEGE OF ARCHITECTURE + DESIGN

FINAL REVIEWS + PRESENTATIONS FALL 2022

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FINAL REVIEWS

Tuesday, November 29

8:30 am - 12:30 pm **IARC 275_ German Valenzuela**

Second-year interior architecture
AAB 103A_ Reading Room (east) and areas in and around the building
Reviewers_ Molly Abbott, Cheryl Baxter, and Marie Saldaña

work with what is available

"... detoxify from the notion of matter, recovering materiality, and therefore, return autonomy, temporality, history to all the possibilities of acting and their distribution"

- Latour, Donde Aterrizar, p.238

The studio proposes to reflect on living through the modeling of space and its qualities, putting into practice the students' abilities to describe an existing space through their intervention at a full size scale. The sequence of observing-drawing-intervening-redrawing is an opportunity to reflect on the possibilities offered by handling architectural details and their ability to contribute to quality of life. From small scales, an architectural project is developed to reach its materialization, whether permanent or ephemeral, based on the development of interventions both at full scale and in models, and planimetry as a technical and aesthetic representation of space. Students proposed a case study and the scope of their intervention to the extent of the material possibilities to which they have access, pursuing the objective of achieving the maximum possible result with the minimum of physical, material and economic effort. The idea of building with what is available and thus achieving a substantial improvement in the quality of the space that is inhabited.

IARC 275_ Felicia Dean

Second-year interior architecture
AAB 103A_ Reading Room (west)
Reviewers_ Nerea Feliz, Patrick Keogh, and Liz Teston

Spatial Patchwork

The *Spatial Patchwork* studio fuses digital design and handcraft explorations into the design process of students' projects. The class studies Mola textile quilts of the indigenous Guna Panamanian community. Students explore graphic and spatial communication research through the making of textile quilts along with comparative quilt studies. Projects focus on Guna Panamanian concepts, histories, cultural practices, identity, and their relationship to how space is culturally experienced and perceived. The research directs students in their design of a craft market and cultural center. The projects developed propose educational engagement of the public and entrepreneurial opportunities for Panamanian artisans in Knoxville, TN. Students used an iterative process to learn and advance their skills and knowledge regarding conceptual development, graphic presentation and communication, orthographic drawings, spatial design, user experience, interior materials, and the design and making of textile objects.

LAR 551|ARCH 474_ Gale Fulton and Scottie McDaniel

First-year landscape architecture and fifth-year undergraduate architecture
participating in the BARCH/MLA accelerated program
AAB 199A_ Atrium
Reviewers_ Emily Knox and Sophie Muschel-Horton

Landscape Disturbed

(Day 1) This introductory landscape architecture studio is aimed at building a conceptual and technical platform from which students can begin to engage and participate more robustly in 21st century landscape architecture. The studio works in part through the idea of 'disturbance,' which is deployed in both conceptual and technical aspects of the studio in order to challenge outdated ways of thinking about the condition of the contemporary landscape and the roles and repertoires that designers and other agents can take on to engage this rich medium. The final project of the semester focuses on the development of landscape propositions on urban sites in Knoxville that explore the potentials of new, process-based programs to further disturb conventions of landscape design and occupation in our urban environments.

1:30 pm - 6:30 pm **IARC 375_ Misri Patel**

Third-year interior architecture
AAB 103A_ Reading Room (west)
Reviewers_ Molly Abbott, Patrick Keogh, and Hojung Kim

Computational Compositions

The studio theme aims to combine two vital experiential qualities, acoustics, and flexible space-making techniques. Through a series of workshops, students engaged with an acoustic designer to understand the repercussions of form and material on room acoustics. This method elaborates on questioning-speculating retro-fitted architecture and combining flexible space-making techniques with printed geometries for form exploration. The students learned about automated workflows, a process native to the manufacturing industry to test ideas for thin enclosures. The ambition of this studio is to explore various design methodologies that combine analog and digital ways of space-making. Students designed geometries that involve understanding fabrication processes to create scaled prototypes. Using computational forms and systems, students used prototypical geometries in sequential spatial forms for a retail typology.

IARC 375_ Rana Abudayyeh

Third-year interior architecture

AAB 232_ Sculpture Tray

Reviewers_ Nerea Feliz, Laura Thurman, and Ashley Coon

AVIARY No. 01

Nature offers us a magnificent array of heterogeneous landscapes and various ecologies; these environments reveal a vast platform for research into natural artifacts. The ambition of this studio was to rethink existing design methodologies and explore the potential of cutting-edge technology to formulate interior spatial strategies driven by the research of natural phenomena to interpolate diverse interior ecologies. This process informed the design of an urban aviary and research facility to be located in Knoxville's Sunsphere.

ARCH 496|583_ Thomas K Davis

Fourth- and fifth-year undergraduate architecture and third-year graduate architecture

AAB 103B_ Clerestory

Reviewers_ Clay Adkisson, Mark DeKay, and Hansjörg Göritz

The Urban Block: A New District for Nashville's East Bank

This Option Studio is an academic outreach engagement focusing on one of four new, mixed-use, mid-rise, walkable/bikeable districts, now conceptually planned just east of the future (and now funded) \$2.1 billion Titans Stadium. Concerns expressed by citizens, in over 20 public meetings during the past 21 months, has included better, safer and easier connectivity, riverfront access and flood resiliency, destinations for Nashvillians (rather than tourists), with the emphasis on equitable, affordable housing. Each student programmed, and then designed 1-2 urban blocks, planned to form a 16 block "Next New Neighborhood".

ARCH 496|590_ Marshall Prado

Fourth- and fifth-year undergraduate architecture and third-year graduate architecture

AAB 103A_ Reading Room (east) and installations around the building

Reviewers_ Matthew Trimple, Maged Guerguis, and Tracy Moir-McClean

Fiber, Craft, and Architecture

This studio explores additive manufacturing processes based on traditional fiber crafts. Students have researched methods, materials, techniques, limitations, and uses for traditional fiber crafts such as knitting, crocheting, weaving, winding, and macrame. Additional investigations on fiber systems in nature, industrial fiber processes, and fiber systems in architecture have also been explored. Integrated computational design strategies were developed to synthesize fabrication logics, material behavior, structural performance, biological principles, and architectural constraints. Large-scale demonstrators were designed and constructed to explore how these fibercraft processes could be adapted for architectural applications. These constructs will be exhibited in the A+A atrium and in the quad between the HSS building.

ARCH 496|590_ Tricia Stuth

Fourth- and fifth-year undergraduate architecture and third-year graduate architecture

AAB 199A_ Atrium

Reviewers_ Tarek Rakha, Will Rosenthal, Micah Rutenberg, and James Rose

Practicing Practice: The Unfinished and the Incremental

The studio considers the tools, structures, methods, education, and ways of communicating associated with traditional architectural practice and with emergent expanded practices. In the final year of professional undergraduate and graduate programs, students reflect on the potential to align values and practice through speculative transformation of existing buildings and sites, and the frameworks with capacities for enacting change. Conceptions of time and the instrumentality and beauty in the unfinished and the incremental and are central to the studio. Student proposals demonstrate an interest in *both making things and making things happen*. Walks in former streetcar neighborhoods and visits to dormant or underutilized buildings led by citizen leaders ground the studio and position private, public, and not-for-profit perspectives affecting observed situations. Research into the sometimes happenstance circumstances and relationships challenge students to imagine "project ecosystems" to consider how to work and who to partner with to align what you do, how you do it, and why.

Wednesday, November 30

8:30 am - 12:30 pm

IARC 275_ Marie Saldaña

Second-year interior architecture

AAB 103A_ Reading Room (east)

Reviewers_ Molly Abbott, Amy Roehl, and David Matthews

Wunderkammer: Geologic Pasts and AI Futures

Millions of years ago, the Appalachian mountains, the Atlas mountains in Morocco, and the Scottish Highlands were all part of one land mass - the Central Pangean Mountains. The studio imagines a hypothetical future in which these continents and cultures re-converge. What kind of material and conceptual hybrids would result?

Beginning with research on the geography and cultural history of these three regions, students identified characteristic materials, objects, and spaces, and wrote short stories about "imaginary artifacts". Using generative AI tools Midjourney and DALL-E, which create photorealistic images from text prompts, students imagined spaces that blur the lines between fact and fiction. Between a shop and a museum, the design project is based on the historical precedent of a wunderkammer, or cabinet of curiosities, a spatial typology that emerged in the Renaissance as a way to store and display strange, fantastic, or mysterious objects, reflecting a fascination with the natural world and humanity's place within it.

IARC 275_ Liz Teston

Second-year interior architecture

AAB 103A_ Reading Room (west)

Reviewers_ Patrick Keogh, Kendra Ordia, Laura Thurman, and Tim Dolan

A Pop-up Shop for Glossier

Students designed a pop-up shop for Glossier at 1620 Central Avenue, Knoxville. The pop-up features a new release in the Glossier line and focus on skin care for all people regardless of global origin, ethnicity, or gender. Following Glossier's real-life brand ambassador partnership with singer Olivia Rodrigo, students paired an existing Glossier product with an international musician. The coupling of this artist and product aided in developing the aesthetics and branding of this temporary retail shop.

Imagine that a launch party will occur on October 21, from 9pm-midnight and that the pop-up will remain open until January 2023. The intention of the pop-up shop is to bring regional awareness of this internationally renowned, online make-up brand and to make a statement about aesthetics in global fashion, music, and architecture and to disrupt extant social paradigms about perception, identity, sex, and beauty. The existing spaces at near Wild Love and Mid Mod are an excellent location because they embody a combination of grit and refinement -- and everything in between. Students were charged to design a contemporary and original retail space, based in the aesthetic complexities of their research on the Glossier brand, the chosen musician, and the culture of the artist's home country.

ARCH 471_ Kevin Stevens

Integrations studio, undergraduate architecture

AAB 103B_ Clerestory

Reviewers_ Patricia Fraile, Eric Myers, Matthew Trimble, Jack Hopkins, Hansjörg Göritz, and Jeremy Magner

Integrations Design Studio

Our studio has spent the semester working, with the support of the Chattanooga Design Studio, on an adaptive re-use project focused on the historic Dixie Mercerizing, Dyeing, and Finishing Mill in the Ridgedale neighborhood of Chattanooga. The Mill was a central figure both in establishing Chattanooga as the "Dynamo of Dixie" as well as supporting the community in the neighborhoods directly adjacent. Closed in 2008 the Mill sat vacant for an extended period of time and now, like many mills in the area, is being looked at for redevelopment as much needed housing. Our studio is considering multiple complementary site programs and various models of housing for the project in an effort to suggest programs that would both support and sponsor new directions for Chattanooga and the neighborhood.

LAR 551|ARCH 474_ Gale Fulton and Scottie McDaniel

First-year landscape architecture and fifth-year undergraduate architecture participating in the BARCH/MLA accelerated program

AAB 199A_ Atrium

Reviewers_ Emily Knox and Sophie Muschel-Horton

Landscape Disturbed

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9:10 am - 12:10 pm

ARCH 171_ Hojung Kim

First-year architecture and interior architecture

AAB 232_ Sculpture Tray

Reviewers_ Misri Patel, Carlos Pinilla Romero, Scott Poole, and Jakeb Moore (TA)

Design I: Spatial Order I

"Architecture is bound to situation. And I feel like the site is a metaphysical link, a poetic link, to what a building can be."
- Steven Holl

An introductory studio to create an occupiable, interior spatial relationship between contrasting volumes. Utilizing a simple conceptual framework or thematic intent to simplify the program of primary and secondary space, designing a spatial sequence that connects the interior volumes and the exterior through movement in relation to the site. The project is a pavilion of a loose program around a dichotomy of an open, large, additive/tectonic primary space for a small group and a closed, smaller, subtractive/volumetric support space for an individual. Landform is an extension of the concepts and forms of the pavilion. The final project is based on the previous cube study iterations based on three different modeling techniques: contouring, unrolling foldable surfaces, and casting. As a site context, the students worked within a perimeter of 12" x 18" to create various studies in the subtractive volumes of a non-symmetrical cube. Began with a 6" x 6" x 6" cube in relation to the site and used various Boolean operations to pull and push the surfaces and volumes. The final scale of the model is at 1/4" = 1'-0".

1:30 pm - 6:30 pm

IARC 375_ Ashley Coon

Third-year interior architecture

AAB 103A_ Reading Room (east)

Reviewers_ Kendra Ordia, Laura Thurman, and Felicia Dean

Patterns

This studio explores the use of patterning as a foundational design technique, not only as two-dimensional graphic ornamentation but as a guide or template in overall spatial design. Patterns as design elements range from superficial, flat, and supplemental to functional, substantial, and primary. Patterns even play out over time.

Design concepts like parametric and emergent form making will be incorporated. Students address a two-story commercial/retail space with a focus on program, material systems, and building elements (like stairs, doors, furniture, etc.). This gave a great opportunity to become familiar with how the parts can define the whole, and how process can reinforce and strengthen the concept."

IARC 375_ Tim Dolan

Third-year interior architecture

AAB 103A_ Reading Room (west)

Reviewers_ Amy Roehl, Greg Terry, and Rana Abudayyeh

Retail is Dead... Long Live Retail!

"We believe competition in physical retail is becoming increasingly cutthroat and risky for physical retailers. Online and mobile shopping offers convenience to consumers—and better margins for the platforms. In the last two years alone, there have been a rash of retail bankruptcies and liquidations. Among them: Nine West, Claire's, The Bon-Ton Stores, The Limited, RadioShack, Toys R Us, and many more. Business Insider is tracking about 3,800 brick-and-mortar retail stores that will close in 2018. Last year, Fung Global Retail & Technology tracked 6,985 store closures. The Atlantic called last year's disruption the "retail apocalypse." (Alsin, 2018)

Fast forward four years and the world-wide pandemic has permanently altered the face of retail consumerism, cutting across all commercial sectors and leaving few industries unscathed. Hundreds of thousands were out of work as many retail-driven establishments closed their doors or simply could not reopen in the health crisis. While new supply channels have emerged, as an industry that is dominantly founded in brick and mortar efforts, how do designers leverage their abilities and re-think the WHAT and the HOW?

This studio partnered with ALTAR'D STATE to consider and explore the future of the retail experience and what role the designer and the built environment will play in the future as we explored new territory and typologies.

ARCH 471_ Hansjörg Göritz

Integrations studio, undergraduate architecture

AAB 103B_ Clerestory

Reviewers_ Patricia Fraile, Eric Myers, Mark DeKay, Jack Hopkins, and Kevin Stevens

The Bar in the Park

This bold intrusion into Cades Cove and the Great Smoky Mountains National Park asserts itself as a highly charged exercise for spirited integration of landscape, climate, culture, history, site, architecture, structure, systems... to attempt a materialization of [the too many] quotidian teaching objectives with inspiring agency.

Place-making and space-making – where it must not be – perfectly lends itself to surprisingly designed solutions radically complimenting the fake historic staging of idealized East Tennessean pioneerdom and contemporary instantaneous dull cultural consumerism with a lasting architectural experience of a newly endowed place.

ARCH 496|586_ Ryan Jones, BarberMcMurry Endowed Professor

Fourth- and fifth-year undergraduate architecture and third-year graduate architecture

AAB 199A_ Atrium (west)

Reviewers_ Clay Adkisson, Jennifer Akerman, and Maged Guerguis

Riparian Paradigms

The Tennessee River is one of the most polluted water bodies in North America. The City of Knoxville has historically engaged its edges with industry and infrastructure. Our studio has advanced new development paradigms for the river edge that heal ecological trauma, unite community fabric, and reconnect people to the natural world. Students have developed a belief system focused on the unique impact they aspire to have on the site/program and have used that belief system to propose a master plan for 50 acres of riverside development. Within this master plan each student has designed an Urban Ecology Center through the unique lens of their belief system. The studio was challenged to think contextually to understand the holistic impact of Architecture. While working through a linear design schedule students were encouraged to jump between macro and micro scales to better understand the impacts of their design decisions while developing new perspectives about their work. Students were consistently tasked with deepening the relationship between program and landscape. Through new landscape urbanist design strategies, our architecture looks to nurture a symbiotic relationship with nature.

ARCH 496|590_ Brian Ambroziak

Fourth- and fifth-year undergraduate architecture and third-year graduate architecture
AAB 199A_ Atrium (east)

Reviewers_ Tarek Rakha, Will Rosenthal, Lauren Buntmeyer, and Mark Stanley

Rapturous South: A Retrospective Manifesto

Rapturous South embraces the region of the South as a vibrant cultural and historical artifact - one that possesses a valuable *future tense*. This design studio scours the South looking for dead bodies and searching for any evidence that could yield a new cultural theory.

The stories told in the unique investigation began with the bone pine porches of James Agee, the rabbit traps of Cormac McCarthy, and Mark Twain's midnight trips along the Mississippi. These propositions evolved into a series of spatial constructs that portray the South and its many unique faces from a new vantage point. With each stance, a presupposed history was challenged that either reinforced or distanced the student from their inherent biases of place as defined by personal experience. Their new stories became forgeries in the purest sense of the world. Engaging Dali's Paranoid Critical Method (PCM) as described by Rem Koolhaas in *Delirious New York: A Retroactive Manifesto for Manhattan* (1978), they engaged in a process of conceptual recycling that recharged the worn consumed content of the world. Working within Max Ernst's *plane of non-agreement*, the studio's process of design embraced methods that privileged inversion and accident.

The investigation began with fragments, were pieced into a story, and then were retold such that the story was both a thorough telling of the original idea as well as something utterly new.

ARCH 496|590_ James Rose

Fourth- and fifth-year undergraduate architecture and third-year graduate architecture
Cherokee Farm

Reviewers_ Matthew Trimble, Katherine Ambroziak, and Marshall Prado

Exploring Large Scale Additive Manufacturing

This studio began with two questions at opposing ends of the scale of human experience:

- What is the material expression of large-scale additive manufacturing?
- How can a small intervention impact our sense of place?

In response, the students have designed and constructed the Trillium pavilion; a point of curiosity, engagement, and destination for the Cherokee Farm Research park. Printed in recycled and recyclable polymer by industry partner Loci Robotics, the pavilion contributes to research in emerging methods and materials, the application of biological precedent, and the robust history of design/build projects in the College of Architecture and Design.

This project was supported by Cherokee Farm, The UT Office of Research, Innovation and Economic Development, The East Tennessee chapter of the American Institute of Architects, and the Institute for Smart Structures.

Thursday, December 1

8:30 am - 12:30 pm

ARCH 271_ Tracy Moir-McClean

Second-year architecture

AAB 103A_ Reading Room (east)

Reviewers_ Stephanie Delgado, George Dodds, and Ted Shelton

Territorial Insertion: A Chamber for Reading

Given a territory, a site is a selection, situated within territory and territorial conditions. In addition to questions raised by the syllabus, this section questions boundary and how boundary/edge/threshold and other parameters and conditions of territorial use are rendered perceptible via sensual perception, phenomena, custom, culture, law, actions, and other influences. Students spent much time this semester reading situation and conditions in their assigned Old City territory. The third investigation of the semester, *A Chamber for Reading*, is presented in review. In the third project, they are asked to consider design of chamber(s) for reading an object, a phenomenon, or an experience.

ARCH 271_ Scott Poole

Second-year architecture

AAB 103A_ Reading Room (west)

Reviewers_ Gabriel Vergara, Gregor Kalas, and Ryan Jones

Knoxville City Spa

Ten years ago, two enterprising women opened a massage and wellness studio in downtown Knoxville. After a decade of practice, they are seeking to expand their wellness practice to a larger space that would include hydrotherapy. The beneficial effects of warm water have been known around the world for thousands of years. In ancient times thermal baths were not only used for hygiene and health, but for socializing and spiritual renewal.

Architecture too, can be a source of healing and well-being. In fact, that is precisely what the clients are seeking. Above all, they want the architecture to contribute to their work: reducing stress and restoring balance to their client's lives. Throughout the spa they are seeking a relaxed atmosphere with rooms that exude serenity and tranquility. They want the architecture to enhance our connection to the world around us by fully engaging the seven senses: sight, smell, hearing, touch, and taste as well as the vestibular sense (the sense of movement and balance; the awareness of our body in space), and proprioception (the sense of the relative position of body parts and the strength of effort being employed in movement).

ARCH 271_ Julie Kress

Second-year architecture

AAB 199A_ Atrium

Reviewers_ Darius James, Aaron Tobey, Katherine Ambroziak, and Avigail Sachs

Chunkscape Studio

This second-year studio is set within the territory of Sharps Ridge, a part of Knoxville's urban wilderness network where there is an ambiguity between what is wild (natural) and what was altered (human). We're exploring a speculative park infrastructure that reconsiders our relationship between each other, the environment, and other species. Common park infrastructures, such as a campsite, a bath house, a fire tower, or a research lab, are reimagined to be responsive to conditions inherent in Sharps Ridge. Each project takes a different posture towards architecture's role in preserving, remediating, or fabricating the environment.

ARCH 541_ Mark Stanley

First-year graduate architecture

AAB 103B_ Clerestory

Reviewers_ Jeremy Magner and Tricia Stuth

Building Worlds

This first-year graduate studio concentrates on the development of spatial, formal, material, and tectonic ideas through drawing, imaging, and material experimentation. Students translate behaviors, politics, and dispositions into and through material constructs. Finally, the architectural program ('a motel for _____') is the vehicle through which these concepts are brought to bear on site contexts.

IARC 475_ David Matthews

Fourth-year interior architecture

AAB 199C_ Atrium (west end)

Reviewers_ Kendra Ordia, Amy Roehl, and Marie Saldaña

Hands-on Design-build: Re-design and Renovation of a 1962 Flying Cloud Airstream into a Mobile Design Studio

The studio is a complete design-build experience that transformed a 20th-century American design icon, the Airstream trailer, into a mobile design classroom to serve as a tool for design education for local school children. The studio began with the study of the history and culture of the Airstream, including a field trip to the Airstream factory in Jackson Center, Ohio. We have partnered with local schools and engaged students as co-designers to develop the concepts and design ideas for the mobile studio. The studio also includes creating construction documentation, branding and marketing, and hands-on renovation and construction. The studio focuses on collaborative experience to create a real-world renovated trailer to expose children to design exploration in local schools.

1:30 pm - 6:30 pm

ARCH 373_ Marleen K Davis

Third-year architecture

AAB 103A_ Reading Room (east)

Reviewers_ Secil Binboğa, Darius James, Cayce Anthony, and Katherine Wheeler

Urban Neighborhoods: Burlington, East Knoxville Affordable, Pre-manufactured Housing

For architects, issues of social justice are inextricably bound to the policies, decisions and design of housing, access, and community. Within this larger cultural context, the *Urban Neighborhoods* studio investigated innovative uses of prefabrication in providing affordable housing. We explored challenges for providing affordable housing in existing, underappreciated urban neighborhoods. Increased density within existing urban neighborhoods can help limit suburban sprawl, while creating diverse, vibrant cities and communities. We looked into the Burlington neighborhood, along Magnolia Avenue.

As a whole, the studio work included:

- Research in affordable housing / pre-manufactured multi-unit housing
- Summaries of readings related to public policies
- Mixed use residential proposals along Magnolia Avenue
- Relocated Golden Gloves facility
- Concepts for Chilhowee Park
- Proposed new arena for the Knoxville Ice Bears

ARCH 373_ David Fox

Third-year architecture

AAB 103A_ Reading Room (west)

Reviewers_ Amelyn Ng, Thomas K Davis, and Gregor Kalas

Appalachian Studio

This studio is researching and offering design ideas for a restaurant of moderate size in a small town in Appalachia. The impetus for the project is to study the long history of segregation in the community and to create architectural ideas that can stimulate the revitalization of the African American community. The site is on a traditional urban lot along Cedar Avenue (main street) in South Pittsburg, TN; a community of approximately 3,500 population. The site is in direct proximity to a historic structure with a small alley that frames the student ideas.

ARCH 373_ Ted Shelton

Third-year architecture

AAB 199A_ Atrium

Reviewers_ Stephanie Delgado, Gabriel Vergara, George Dodds, and Scott Wall

Barriers to Density

Housing sits at the crux of numerous economic, social, and environmental concerns in the United States. Where and how people live has profound implications for both cities and individuals. On the urban scale, it affects, for example, the efficiency of municipal services, to what extent the city sprawls, and what forms of transportation are viable. For individuals, it affects economic security, access to employment, quality of education, and even health outcomes.

Housing Density is an environmental issue. Housing Density is an economic issue. Housing Density is a social issue.

Single-Family Zoning and Historic Overlays – Despite the clear urban, ecological, economic, and social advantages of denser housing districts, US cities have long favored very low-density housing; to the point of effectively outlawing multifamily housing in much of their land area. Single-family zoning and restrictive covenants such as historic overlays severely limit the ability to increase density in many American cities. Such mechanisms along with practices such as redlining have a clear racist and classist history. Yet, convincing political science research suggests that even today the loudest and most effective voices against housing density at public meetings are highly unrepresentative of neighborhood populations as a whole – skewing older, whiter, and more affluent than the average. How are we to negotiate such barriers?

Using the Fourth and Gill neighborhood as our testbed, the studio interrogated these conditions and proposed architectures that densify while simultaneously respecting the neighborhood's history and providing for a richer, more diverse, more engaged civic life.

LAR 553_ Chad Manley

Second-year landscape architecture

AAB 103B_ Clerestory

Reviewers_ John C. Kelley, Emily Gordon Krute, and Geoffrey Thün

Audiolog Studio

The *Audiolog Studio* has invited students to design novel relationships between sound and the region's landscapes. Our semester began by making 'epiphones,' acoustic-spatial devices which excavate and broadcast unique signatures of the UTK campus. We traveled along the roads, rivers, and mountain backs of Tennessee; Georgia; Alabama; Mississippi; and Arkansas; situating the studio as a 'live-off-the-floor' journey between specific urban, rural, and wildland sites. The final weeks of the studio's score has culminated in the design of social-ecological 'instruments,' re-imagining respective sites as performative and ritualized spaces of musical, aural, and ambient landscape-making.

6:00-10:00 pm

IARC 475_ Hojung Kim

Fourth-year interior architecture

AAB 111_ Auditorium and on Zoom

Reviewers_ Anna Gitelman, Jinoh Park, and German Valenzuela

Humanity 1.0: A Bi-national Collaboration with Pusan University in Korea

The increasing decentralized forces – from transformation of workforces, ecological and environmental change to migration, and industrialization, and city branding – generate new manners of engagement and new forms of life. However, cities continue to operate within disputed forms of urban renewal and antiquated but still strong models of real-estate speculation. IARC 471 Advanced studio and PR25086 Architectural Design Studio IV is a joint-studio program in collaboration with the University of Tennessee Knoxville, USA and Pusan National University, South Korea which aspires to explore these continuing urban problems. A team of four students had an opportunity to choose a site either in San Diego, USA, or Busan in South Korea. The site looked at either asylum seekers and refugees specifically from South America, or the environments related to the lives of migrant (foreign) workers in the greater Busan metropolitan area. Part of the studio required developing students' own programs by extensive research of the geographical location, current economy, political, social, cultural, and climatic background. The studio developed a research book at the beginning of the semester and entered the IDEC competition. Students in Knoxville had an opportunity to visit Los Angeles and San Diego during the semester, while those in Busan visited the sites related to the lives of (foreign) migrants. The studio ran both in-person meetings and Zoom meetings with the students from two schools.

Friday, December 2

8:30 am - 12:30 pm

ARCH 271_ Jennifer Akerman

Second-year architecture

AAB 103A_ Reading Room (east)

Reviewers_ Secil Binboğa, Thomas K Davis, and Marshall Prado

Food Cultures of the Tennessee Valley

The role of territory as it informs architectural design will be explored all year, regionally in the fall, and extensively in the spring. In this context, a regional territorial condition is understood to mean immediate, tangible extents in the world, claimed by occupants, and where contextual qualities can be researched through analysis. These qualities might include the geophysical terrain, climate, history, and culture of that specific place, city, or landscape.

The territory explored by this studio is the relationships between land/ecology/labor needed to produce food and how those in turn relate to culture. The Tennessee Valley region is home to a wide range of food cultures. This semester, our studio is studying architecture as informed by the regional territorial context of the Tennessee River Valley through the lens of food cultures in and around Knoxville. We

have completed three projects this semester to help us develop familiarity and precision with multiple methods of creative exploration for generating approaches to design. The final review is to share design proposals for a vertical farm in Knoxville's Old City building on conceptual agendas each student has been developing all semester. Each farm is a hybrid consisting of: 1. a constructed farm tower able to produce food through technological and architectural interventions. 2. a cultural institution being rethought through the lens of food culture, such as museum, performing arts center, concert hall, library, health clinic, college department, or grocery store/tienda. The architecture must incorporate some form of living matter related to food production (agricultural plants or animals) that is legible and significant to the shape and performance of the space.

ARCH 271_ Micah Rutenberg

Second-year architecture

AAB 103A_ Reading Room (west)

Reviewers_ Gabriel Vergara, Julie Kress, and Kevin Stevens

Edge Effects

With an emphasis on interpreting territory, this studio explores architecture as an interface between human intervention and natural ecology. Using the notion of an ecotone - the transitional region created when two distinct ecologies meet - as a metaphor and generative potential, students consider how the architectural edge might compress, intensify, or otherwise blur boundaries. Their ideas are tested in proposals for a living archive, conservation, and education center for native plant species of the Smoky Mountains located at the University of Tennessee Arboretum.

ARCH 271_ Richard-Allen Foster

Second-year architecture

AAB 103B_ Clerestory

Reviewers_ Aaron Tobey, Jeremy Magner, and Avigail Sachs

AUGMENTED

This studio explored the idea of territory as the intersection of physical and digital domains. It challenged students to consider a near future where the digital augmentation of architecture can meaningfully contribute to the experience of place. The final project is the design of a Welcome and Education Center for Little Switzerland in South Knoxville, imagined as a digitally augmented heritage site.

ARCH 571_ Maged Guerguis

Integrations studio, graduate architecture

AAB 199A_ Atrium

Reviewers_ Amelyn Ng, Scott Poole, and Ted Shelton

Extraordinary Methods in Architecture: Prefabulous! Morphologies for Additively Manufactured Architecture

The unprecedented growth of the urban population and climate change have underscored the urgency of new design research that responds to the ever-increasing demand for innovative and sustainable design solutions. Current conventional construction methods contribute to a significant amount of waste, which has major negative financial and environmental impacts. The *Pre-Fabulous* research studio investigates the potential to which additive manufacturing can be used to extend the boundaries of the design of high-performance construction systems. The studio tackles various speculative design proposals utilizing modular, prefabricated architecture through the development of abandoned and undeveloped urban sites as part of *ReEnvision Knoxville* initiative.

1:30 pm - 6:30 pm

ARCH 373_ Scott Wall

Third-year architecture

AAB 103A_ Reading Room (east)

Reviewers_ Secil Binboğa, Lindsay Clark, Marleen Davis, and Tracy Moir-McClean

Re-settling Architecture

"So, we can't save the world by playing by the rules, because the rules have to be changed. Everything needs to change and it has to start today"

Greta Thunberg at the TEDxStockholm on November 24, 2018.

The only constant in the universe is change. Not the specifics of change, but change as a fact of natural life. We are living in a world that faces a bigger problem than a pandemic, war, peace, economic and social security: climate change. You don't have to believe that climate change is a "real" thing to recognize that there are distinct changes occurring in the world's environments. Greta Thunberg began advocating for ways for us to address climate change when she was 13. She's still at it. Maybe the single most powerful voice against ignoring climate change. Because she's 17 now. And the future is one in which she (and you and I) will live.

How do these 'facts of life' affect or alter the way that we practice architecture? While the Modern movement may have made clear that architecture, by itself, can't solve the world's problems. But we haven't ceased to practice the profession. We still aspire to make things better. To anticipate a better future and to work toward that future. To collaborate with others to make that vision both real and sustainable. So we need to accept the fact of climate change, and we definitely need to acknowledge the meteorological changes that are creating more severe droughts, wildfires, tornadoes, hurricanes, and flooding, among other broader effects. This studio asks each of you to investigate the idea that we can anticipate a local future, and address that future with architectural action.

The fact that there are actually articles on "climate havens" — a place to be safe from climate change — is an indicator that there is a need to chart the changing water quality and the future characteristics of the Tennessee River along its length. The task will be to design a research institute to do just that,

built by major universities in Tennessee that allows for scientists and visitors to understand the evolving relationships between water and life in the Tennessee River Valley. There is also an initial need to house the staff, and in future, residents. A center around which to build a community.

ARCH 373_ Jeremy Magner

Third-year architecture

AAB 103A_ Reading Room (west)

Reviewers_ Stephanie Delgado, Brian Ambroziak, and Katherine Wheeler

Spectacular Pragmatics

Our studio is structured around a model of causation, or a methodology, of immanence, where all reasons and causes for the appearance of architecture are contained within context, ready to be drawn out and set into motion as active agents of matter and energy. We have employed research as a means to identify a pragmatic set of immanent concerns which connect our simply located site with broader networks of atmosphere, culture, and geology. This research has been centered around all things 'farm', suggesting architectural typologies of the barn, greenhouse, farmhouse, etc, which are challenged by our urban site allowing us to imagine spectacular (ie ambitious) alternative structures of the ecological and social in processes of production, consumption, and waste. In a regimented series of design experiments, our aim has been to deploy various flavors of the humble line in structuring connections between the research and methodical acts of design. Three major stages of development have layered structure (top, middle, bottom), circulation (fast, medium, slow), and enclosure (inside, outside, in between) towards the ultimate goals of tectonic and thermodynamic resolution.

ARCH 373_ Mark DeKay

Third-year architecture

AAB 199A_ Atrium

Reviewers_ Aaron Tobey, Aram Yeretizian, Maged Guerguis, and Tricia Stuth

Mid-rise Housing in Lebanon

In this 3rd-year research + design studio, students developed programs for multi-family housing and analyzed sites in two Lebanese cities. Supported by visiting Fulbright scholar Aram Yeretizian from American University Beirut, the half semester project focus is on response to climate, design for natural ventilation and integrating space planning with structure.

LAR 555_ Andrew Madl

Third-year landscape architecture

AAB 103B_ Clerestory

Reviewers_ Emily Gordon Krute and Geoffrey Thün

Prophetic Landscapes

Prophetic Landscapes seeks to provoke critical discourse on the means in which design research is represented and disseminated. The studio develops and utilizes fictional narratives that promote alternative realities which are grounded in factual research. At the core of investigation are the unrealized proposals of the US Government program 'Project Plowshare'. The program ran from 1957 to 1977 and primary purpose was to develop large scale construction techniques through the 'peaceful' use of nuclear bombs. Such proposed conceits include the use of nuclear explosives to create shipping harbors, cut through mountains for roadways, store/extract natural resources, and construct large canal systems. The work explores fictitious scenarios through simulating the completion of the unexecuted proposals in their spatial characteristics as well as in the systems of consequences that could follow. The studio intends to elicit dialogue on aligning emergent, novel technologies of past and present as a means to speculate on how such innovations can have unanticipated spatial consequences.

Monday, December 5

8:30 am - 12:30 pm

ARCH 171_ David Matthews and Scott Poole

First-year architecture and interior architecture

AAB 199A_ Atrium

Reviewers_ Jennifer Akerman, Misri Patel, German Valenzuela, Rachel Paganelli (GTA) and Barrett Taylor (TA)

Igniting the Imagination: Speed, Slowness, and Simultaneity as a Path to Creativity

Perhaps the most formidable challenge to teaching first-semester, first year design students is creating space for their imagination to flourish. What if the pressure of artificially constructed deadlines was minimized and time--big chunks of time--were provided for failure, iteration, and reflection? What if work in the design studio was focused less on a sequential series of final outcomes and more on a flow of work that overlapped, intertwined, and had indeterminate endings? What if the tempo of teaching was more attuned to the actual pace of learning? And what if the primary purpose of the studio was to unlock the beginner's latent imagination? What would studio like this look like?

Our purpose in ARCH 171 is to employ tactics to realize our goal of activating vivid imaginative capacities in beginning designers. Principal tactics included:

- fostering a gradual build-up of creative capacities,
- allocating sufficient time for discovery,
- and maximizing self-directed learning.

9:10 am - 12:10 pm

ARCH 171_ James Rose

First-year architecture and interior architecture

AAB 103A_ Reading Room

Reviewers_ Marleen Davis, Micah Rutenberg, and Mariam Sihatgar (TA)

P03. Contrast: Movement and Scale

This final project of 171 challenges students to design a set of contrasting spaces inspired by the internal conflict found in a literary precedent. This opposition, transformation, or struggle informs the architecture of a small program of an inwardly focused space for one and an outwardly focused space for many. The site is a south-facing hillside path in the Smoky Mountains. Students are encouraged to explore contrasts of light and shadow, subtractive and additive form, motion and rest, implicit and explicit spatial definition.

1:50-4:50 pm

ARCH 171_ Carlos Pinilla Romero

First-year architecture and interior architecture

AAB 103A_ Reading Room (east) and AAB 199A_ Atrium (east)

Reviewers_ Rana Abudayyeh, Ashley Coon, David Fox, and Katherine Pennington (TA)

Design I: Spatial Order I

For the last project each student has developed a design response to a specific site and context based on a negotiated archetype; the design response was achieved through the use of context, light and shadow, scale, and additive and subtractive space. Individual and teamwork collaboration and learning were achieved with other studios to produce a design response based on an individual and group concept.

ARCH 171_ Lauren Buntmeyer

First-year architecture and interior architecture

AAB 103A_ Reading Room (west) and AAB 199A (west)

Reviewers_ Julie Kress, James Rose, and Ahmad Ibrahim (TA)

Jungian Urbanism

For their final project, students were tasked with developing a primary and secondary space that focuses on movement and scale in a greater urban context. Using Carl Jung's well-known twelve archetypes as their conceptual driver, they looked to additive and subtractive means to create occupiable, compelling interiors that connect to a large urban context. The broader theme of the studio has been a study of process as a way to learn about the fundamentals of design. It is in this final project that the students show how process has helped them to develop interesting ideas in relation to their archetypes, while continuing to learn drawing & modeling basics.

ARCH 171_ Lindsay Clark

First-year architecture and interior architecture

AAB 199A_ Atrium (east) and AAB 103A_ Reading Room (east)

Reviewers_ Brian Ambroziak, Scott Wall, and Faith Stevenson (TA)

Foundations 01 - Bodies in the Built Environment

This first year studio is focused on both the fundamental understanding of spatial relationships and representation as well as how we as humans interact with the built environment. In a third and final project, students are considering how interior spaces communicate with exterior connection, partnering with an archetypal persona as a conceptual driver.

ARCH 171_ Cayce Anthony

First-year architecture and interior architecture

AAB 199A_ Atrium (west) and AAB 103A_ Reading Room (west)

Reviewers_ Richard-Allen Foster, Mark Stanley, and Sarah Dunn (TA)



END OF SEMESTER PUBLIC PRESENTATIONS DURING WEEK OF FINAL EXAMS

(Tuesday, December 6)

4:05 - 5:20 pm **IARC 425 | ARCH 525_ German Valenzuela**

Professional Elective
AAB 232_ Sculpture Tray

New Materialism in Latin American Architectural Production

The course on Contemporary Latin American architecture proposes a critical review of case studies to, from there, understand the possibilities that an approach from the local could offer new architectural solutions. Through this discussion, a series of concepts are proposed that allow valuing these experiences in a context of environmental crisis of which architecture is an important part. The final review presents a synthesis of the discussions and readings in which each student proposes, through their research, a reflection on some of the topics developed.

Work to be remain exhibited in the Sculpture Tray from December 6-9.

Friday, December 9

9:30 am - 3:30 pm **ARCH 478R_ Mark Stanley**

Fifth-year architecture
AAB 217A_ Administrative Conference Room

Preparation for Self-Directed Diploma Studio

Students conducting Self-Directed Projects (SDP) in the fifth-year of the Bachelor of Architecture program will present their research and creative work from this preparatory seminar, from which they springboard in to the Self-Directed Diploma Studio this spring. Through the seminar, each student established the conceptual, intellectual, territorial, and methodological grounds on which to work.

3:00/4:00 - 5:00 pm **ARCH 471_ Hansjörg Göritz and Kevin Stevens**

Architecture Integrations Studio
AAB 103A_ Reading Room

AIA Middle Tennessee Student Design Award Jury

Sponsored by AIA Middle Tennessee Chapter, the Design Award Jury recognizes excellence in design in the context of the architecture integrations studio. Judging criteria focuses on design merit and responsiveness to the AIA COTE Framework for Design Excellence.

A closed review of work is scheduled from 11:30-3:00. Jury commends and awards presentation will take place at 3:00 (earliest) / 4:00 (latest).

Monday, December 12

10:30 am - 12:45 pm **IARC 480_ Felicia Dean**

AAB 199A_ Atrium

The Politics of Seating

Seating as an object exists in our everyday spaces. However, its symbolic role as a tool of exclusion or inclusion within interiors is pivotal. This course explores the embodied power of the furniture stool in shaping space and place for African-Americans during segregation and the Civil Rights Era. As a result, students learn how topics of social justice connect to seating. The course content challenges students to learn and apply diversity, equity, and inclusion approaches to their research and design process at an object-based scale for a furniture stool. During the design and build of their seating, students will acquire knowledge of hand and machine methods for hardwood furniture, mortise and tenon joinery, and fully realize their research and design work.

Work to be exhibited in on the 2nd-floor bridge, December 7-14.

ARCH 527_ Julie Kress

Second-year graduate architecture
AAB 232_ Sculpture Tray

Design Tactics

This seminar provides space outside of the design studio to test architectural knowledge through a practice of image making, animation, prototyping, and writing. Students are expected to advance their theories and ideas primarily through the production of artifacts, digital and analog. The exhibit will showcase experiments from the semester that engage digital instruments as a conceptual medium and not just a tool for production and efficiency. Each student honed their unique approach to design research to expand on the range of art and research practices possible within the discipline of architecture.

3:30 - 6:00 pm **GRDS 271_ Cary Staples**

Second-year graphic design
AAB 327_ Graphic Design Studio

Growing Design :: The Farmer's Market

In this class, in addition to evolving our own practice, we considered the necessarily broad synthesis of technology, history, society, culture and media. Sections of the class focuses on the history of the profession, while the others focused on exploring the various methods that designers employ to visually and conceptually research the various facets of a problem.

Students leave this class with an understanding of the scope of the design profession-which is usually a big surprise. They come to realize that design is much more than making things "look good" or working on the computer. They learn that their design solutions are based on the richness of their process and their research, as much as on their visual skills.

ARCH 221_ Mark Stanley

Second-year architecture and interior architecture
AAB 103_ Reading Room

Representation III: Digital Workflow

This is the third of three project pin-ups in 'Representation III: Digital Workflows'. In this project, students encountered new software tools (Grasshopper and V-Ray) and developed skills in representing formal and material qualities through a process of 'genetic' variation. Four qualitative terms were randomly distributed to each student, and the logic of the Punnett Square determined the variables for four modeled and rendered objects.

ARCH 557_ Maged Guerguis

First-year graduate architecture
AAB 232_ Sculpture Tray

Structural Principles in Architecture

ARCH 557 is an advanced technology graduate course designed for architecture students to provide an effective strategy for integrating advanced structural principles and their application in architectural design. The course's emphasis is placed on developing strong skills in modeling high-performance structure systems and applying cutting-edge structural analysis tools. In the final project, the students investigate the Tennessee Amphitheater's potential at the 1982 World's fair park by developing, modifying, and refining the amphitheater structure into a new design proposal using lightweight structure systems.

Tuesday, December 13

9:00 am - 5:00 pm **ARCH 529_ Jennifer Akerman**

Third-year graduate architecture
AAB 103B_ Clerestory

Master of Architecture Project (MAP) Seminar

(Day 1) M. Arch students in their final year of study have developed a Master of Architecture Project (MAP) thesis proposal and document reflecting their independent research into thematic issues deeply relevant to architecture. This is the groundwork for a design project to be completed through the spring semester with the guidance of each student's MAP advisory committee. At this stage, students will share a summary of their research process, including the framework of their field of interest, intellectual allies including precedents from scholarly and creative works, early experiments with design methodologies, a working stance on territory, as well as a proposal for the next semester's design project. Across the cohort, you will find provocative work grappling with architecture's agency in the emerging world.

10:30 am - 12:45 pm **GRDS 371R_ Sarah Lowe**

Third-year graphic design
AAB 327_ Graphic Design Studio

Intermediate Graphic Design

With an emphasis on research methodologies, student projects from the semester along with the process for each project will be on display. The three class projects include: 1. a personal design manifesto; 2. a public art proposal for Knoxville stemming from one of the United Nations 17 Sustainable Development Goals; 3. self-defined project that educates a specified audience on a design form from another country.

GRDS 471R_ Kimberly Mitchell

Fourth-year graphic design
Sparks, Tennessee

Advanced Graphic Design

Students have been working closely with Spark TN in envisioning new, creative branding strategies. For more information about Spark, please visit: sparktn.org.

1:00 - 3:15 pm **GRDS 255_ Christopher Cote**

Second-year graphic design
AAB 327_ Graphic Design Studio

Beginning Topography

Beginning Typography is the first of two typography courses students take in the Graphic Design BFA within the School of Design. It covers the fundamentals of typographic practice as it pertains to languages based on Latin script, both as a technical skill and an expressive medium. The course is an introduction to the basic principles of typography—its theory, practice, technology, and history—through the study of

letterforms, page composition, proportion, hierarchy, contrast, type identification, type classification, and questions of legibility and aesthetics.

This informal exhibition of work will showcase all printed projects and exercises designed by second-year design students over the course of the Fall 2022 semester. Visitors may come, browse, and engage in conversation with the second-year design cohort in celebration of their work.

Wednesday, December 14

9:00 am - 5:00 pm

ARCH 529_ Jennifer Akerman

Third-year graduate architecture

AAB 103B_ Clerestory

Master of Architecture Project (MAP) Seminar

(Day 2) M. Arch students in their final year of study have developed a Master of Architecture Project (MAP) thesis proposal and document reflecting their independent research into thematic issues deeply relevant to architecture. This is the groundwork for a design project to be completed through the spring semester with the guidance of each student's MAP advisory committee. At this stage, students will share a summary of their research process, including the framework of their field of interest, intellectual allies including precedents from scholarly and creative works, early experiments with design methodologies, a working stance on territory, as well as a proposal for the next semester's design project. Across the cohort, you will find provocative work grappling with architecture's agency in the emerging world.