Introduction to the breadth of design in today's global culture

Introduction to creative design processes focusing on the investigation of architecture as composition defining perceivable space.

- Ability to explore and refine design ideas through sketching and physical models
- Ability to revise design through constructive peer and self-critique
- Ability to develop and refine compositions utilizing formal design vocabulary

Exploration of critical judgment and means to conceptualize, develop, represent, and communicate architectonic form and space, including fundamentals of freehand drawing, mechanical drawing, physical model making, diagramming, and graphic techniques.

- Ability to select and use multiple drawing mediums
- Ability to construct plans, sections, elevations, one and two point perspectives
- Ability to verbally present concepts
- Ability to select presentation mediums for their impact on the communication of designs ideas

Intimate exposure to multiple design / construction based professions.

- Understanding the daily activities and office culture of professional Architecture, Landscape Architecture, Interior Architecture and Const. Management organizations

Exploration of digital design fundamentals and their application to architectural analysis, conceptualization, design process, and communication of design intention.

- Ability to select and properly use Photoshop, InDesign, Premier, Autocad, Rhino, 3dsmax for their specific qualities
- Ability to select and properly use the cnc router, lazer cutter, or 3d printer for their specific
- Understanding of digital designs impact on communication of Design
- Understanding of digital fabrication's role in the future of Design

Development of designs and processes to explore solutions responding to human needs in the built and natural environment with emphasis on analysis and representation architectonic space and form using hand and computer techniques.

- Ability to develop and explore multiple design iterations through physical concept models
- Ability to diagram explicit and implicit elements of architectural precedents
- Ability to document Human scale with relation to Architectural precedents
- Ability to conceptualize, design and refine a small scale arch. project.

Introduction to building systems, including structural, environmental, life-safety, building envelope, building materials and building assemblies. Final exam, Non-project based assessment.

- Understanding of various material's impact on assembly strategy, environmental issues, and life-safety

The significance of architecture in recording the development and aspirations of societies in the world's major cultural regions, from early agricultural settlements to 1500 C.E. 272-contemporary. Final exam, Non-project based assessment.

Building and site design with emphasis on site development, analysis, and climatic response. Introduction to sustainable design, land use ordinances, description and delineation of property and land features.

- Ability to incorporate Human experience, sequencing, with a narrative in Landscape Design
- Ability to select appropriate materials for design and design intent
- Ability to incorporate Passive design strategies within Site Development
- Ability to digitally develop and Fabricate Landscape design
- Ability to develop an Abstract for a Design Brief

Architectural design with emphasis on space planning, building materials, technology, climatic response, and codes including complex functional requirements, multi-story design issues, vertical transportation, structure, and finishes. Production of complete schematic design documents.

- Ability to conceptualize, design and refine an Urban-Infill Arch. project
- Ability to integrate multiple program requirements
- Ability to employ Urban Sustainable design strategies
- Ability to integrate vertical circulation within the design
- Ability to write a Design Brief

Introduction to building systems impact on a global environment; the past, present, and future of sustainable movements, the role of environmental regulations/certifications. Develop an understanding of sustainable principles (economic, social, and natural systems). Final exam, Non-project based assessment.

- Understanding of the construction industries role in the environment
- Understanding of a citizens average consumption and "footprint"
- Understanding of the Governments role in the environment

Professional experience combined with scholarly and research activity occurring in an off-campus location with a focus on architectural concentration areas.

- Ability to independently conceptualize, design, refine, and document a design project
- Ability to design a cogent resolution of concept, form and materials
- Ability to select and execute an appropriate presentation of Analytical and Experiential documentation

Examination of theories, movements, and periods in architectural history focusing on contemporary issues. Introduction to analytic techniques for achieving understanding of formal and spatial of architectural and site constructs. Final exam, Non-project based assessment.

Exploration of the practice of architecture including: professionalism, office organization and administration; public, client, consultant, and other contractor relations; project administration, procedure and compensation; construction law and contract administration. Final exam, Non-project based assessment.