

1

PASSION

(for Design)

arch 100

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

arch 101

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

arch 132

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 medium

_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 design ideas

Arch 200

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

2

PROCESS

(through Design)

arch 235

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 PS, 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 fabrications role in the future of Design

arch 201

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.

arch 320

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

arch 271-272

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.**

3

INTENT

(within Design)

arch 341

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 site 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

arch 342

Architectural design with emphasis on space planning, building materials, technology, climatic responses, 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

arch 321

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

4

RESOLUTION

(of Design)

arch 415

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

arch 371

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.**

arch 433

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.**