Performance Indicators and Expectations for 383, 384
"Introductory" Studios (Architectural Design III & IV)

## DESIGN PROCESS

### Research | Analysis
- conducts an effective analysis of site, context, and program
- uses reference materials and precedents regularly in the design process
- illustrates analytical findings with effective graphics
- uses reference materials and precedents to generate formal ideas
- explores the influence of material/construction choices on design

### Conceptualization | Generative Ideas
- develops conceptual diagrams / models / sketches / imagery
- formative ideas are relevant and non-arbitrary
- concept/parti is evident and communicated graphically
- architectural decisions/moments reinforce the concept/parti

### Iteration | Exploration
- engages various explorations at different scales and scope as directed
- iterates to test the viability of design ideas
- iterations make substantive leaps in progression while maintaining a consistent conceptual thread
- uses various media and modalities to explore as directed by instructor

### Design Development | Synthesis
- iterates in plan, section, elevation, perspective, model, etc. at a variety of scales as directed
- decision-making and explorations become increasingly more refined in scale and resolution as directed
- synthesizes information and ideas about site and climate with form and orientation
- synthesizes information and ideas about the program and human context with the form and spatial composition
- integrates ideas about form and structure with materiality and construction

### Graphic Communication
- experiments and builds skill with a variety of tools and media as directed (manual and digital)
- drawings are legible and show appropriate hierarchies of line weight and scale as directed
- uses media in a logical workflow to develop a concept into a basic building design as directed
- understands when to use looseness vs. precision / freehand vs. hard-line / sketched vs. measured
- uses correct basic graphic conventions for describing buildings - plan, sections, elevations

### Verbal | Written Communication
- speaks and writes clearly about the project intent and how it was achieved
- can summarize basic aspects of scheme effectively and concisely
- accurately uses basic terminology, ideas, and phrases to describe design

### Studio Engagement | Participation
- active, consistent worker, is present and timely, and works in studio
- contributes to discussions in studio regularly
- progresses steadily by producing requested items for every critique or review
- shares experiences/ knowledge / insights with peers
### Initiative
- appropriately prepared for desk crits, pin-ups, and all reviews
- demonstrates curiosity - beginning to ask critical questions, reflect, and/or speculate about the impact of design on people and places
- considers craft, care, and diligence in work

### QUALITY OF DESIGN PROJECT

#### Project Understanding
- demonstrates understanding of several major issues the project must address
- incorporates aspects of that understanding into the design solution for the project

#### Project Parti | Concept
- the main design concept or parti is clearly evident in the final product
- the main design concept or parti is used to organize most project issues
- the main design concept or parti is diagrammed, illustrated and verbally described in presentation

#### Project Integration
- awareness of a basic construction system is evident and used as a spatial ordering device in plan and section
- shows facade development in larger scale plans, sections, elevations and 3-d explorations
- articulates exterior materials palette in drawings
- shows interior room development in larger scale plans, sections and 3-d explorations
- articulates initial ideas for building and site design integration, especially social spaces, hardscape and parking

#### Site | Context Response
- shows project in relation to its context at a variety of scales through site/context analysis and project diagrams
- addresses topography and existing elements in several ways with design
- considers the implications of its urban vs suburban vs. rural context in design

#### Spatial | Formal Composition
- composes architectural elements, form, and space by manipulating basic design principles (rhythm, hierarchy, proportion, etc.)
- demonstrates organization of spaces with proper scale/dimension for given program/use in design of project
- applies one or more ordering ideas, at different scales in project
- uses precedents as part of design process, and demonstrates significance in solutions
- develops architecturally coherent facade composition

#### Program Response
- develops initial concepts to help narrate and define how/when spaces are used
- develops a legible organization of program with appropriately scaled non-redundant circulation
- communicates organization with program diagrams
- makes appropriately scaled spaces and articulates principles for human use in design
- designs a space with furniture in drawings

#### Structure | Construction
- designs with a meaningful use of the wall and the frame
- designs with a basic rationale for structure and how structure relates to design of social space
- uses diagrams, drawings, and models to explore material and construction systems
- show approximate thicknesses for interior and exterior walls; floors slabs, and roof planes in drawings and models
- constructs wall sections showing assembly and thickness of construction materials

#### Physical Sustainability | Climate Response
documents existing climate conditions are represented graphically
project is sited, oriented, zoned with consideration of climate
designs and incorporates proper solar control (shading, daylighting) devices where needed
maximizes or controls daylighting on two or more sides wherever possible
integrates experiential qualities of daylighting into design
incorporates natural ventilation using cross ventilation and/or stack ventilation where possible and reasonable
shows preliminary provision for mechanical space in plan drawings

**Social Sustainability | Equity | Justice | Human Context**
explores content from case studies demonstrating sustainability, equity, and/or design justice strategies
highlight sustainability, equity, or justice strategies through diagrams
documents an awareness of or a design intention about the social, cultural, and/or environmental impact of design choices on surrounding context

**Life Safety | Accessible and Inclusive Design**
provide accessibility continuity to all interior spaces, esp. public rooms and restrooms
draw stairs and ramps with proper dimensions with proper dimensions
develop an elevator / stairs / ramps vertical circulation system that is equally welcoming to all users
demonstrate fire safety norms: two exits / distance between fire exits in multistory building/ dead end corridors

**Quality of Presentation**
control line weight, line type, poche, tone and color to create spatial legibility in drawings, diagrams
use accurate application of drawing conventions and projection systems
use correct labelling and use of key words in drawings, diagrams
provides clear set of complete drawings/models and other 3-d representation - hand and digital
generates thoughtful and coordinated presentation layout
follows studio requirements for scale and scope

**GENERAL PROGRESS**

**Evidence of Architectural Knowledge**
design work demonstrates an understanding of completed and concurrent coursework in design (i.e., history, media development, building construction, human context, etc.) as well as information communicated in lectures; assigned readings; and discussion

**Design Proficiency**
Student can initiate a design process and can use subsequent design studies to develop ideas progressively with guidance
Design studies engage in a rigorous, iterative, exploration that follows clearly expressed design intentions

**Design Innovation | Creative Insight**
thoughtful and efficient interpretation of basic principles of design
innovative and compelling graphic representation of design ideas
design resolution contributes uniquely or meaningfully to collective realization of studio design principles
use of architectural precedents in creative or transformative way

**Growth Over Term**