

Number & Title of Course:

ARCH 6650 Advanced Architectural Design Studio, 6 credits

Course Description:

Advanced architecture projects are pursued through integration of research, critical thinking, design and representation. This is the terminal requirement for the Master of Architecture degree.

Course Goals:

- Projects produced in this advanced studio should demonstrate a student's ability to comprehensively research and apply principles from the conception of the idea to the complete and accurate representation of a realized formal solution.
- Projects should demonstrate an advanced understanding of planning, systems, and application of theory.
- Students should be able to find and allocate resources and work independently or collaboratively in small teams.

Course Objectives:

- Students should be able to produce a design solution that effectively integrates the critical design components including function, structure, systems, life safety, context, culture, and sustainable strategies.
- Students should be able to present their design solutions at the highest level of verbal and graphic communication skill.

Student Performance Criteria addressed:

C.2 Integrated Evaluations and Decision-Making Design Process: *Ability* to demonstrate the skills associated with making integrated decisions across multiple systems and variables in the completion of a design project. This demonstration includes problem identification, setting evaluative criteria, analyzing solutions, and predicting the effectiveness of implementation.

C.3 Integrative Design: *Ability* to make design decisions within a complex architectural project while demonstrating broad integration and consideration of environmental stewardship, technical documentation, accessibility, site conditions, life safety, environmental systems, structural systems, and building envelope systems and assemblies.

Topical Outline:

Additional research and fact finding as necessary to supplement the application of the plan set forth in the Advanced Study Proposal in the form of design, detailing, documentation, and presentation to the applicable group(s). (100%)

Prerequisites:

ARCH 6010 Advanced Study Proposal

Textbooks/Learning Resources:

Architectural Research: Methods (2nd Edition); Groat & Wang; Wiley; 2013

Select texts appropriate to project

2-D/3/D computer software, Sketch Book, Modeling Supplies

Offered:

Fall, Annually

Faculty assigned:

Robert L. Kelly, Architect, PhD, Associate Professor of Architecture