Number & Title of Course: ARPL 201, Architectural Foundations III: Design Analysis & Synthesis, 6 credits.

Course Description (limit 25 words): Introduction to fundamental architectural analysis and corresponding synthesis exercises. Students diagram using freehand drawing, analog and digital graphic representations as well as physical models.

Course Goals & Objectives (list): By the end of the semester students are to demonstrate:
- the ability to diagram a building using formal analytical methods esp. using freehand drawing techniques/methods
- the ability to synthesize information to help solve design problems
- the ability to use correct orthographic projections (plans, sections, and elevations), paraline drawings and basic perspectives, i.e. in the analysis and synthesis process
- the ability to use graphic software (Adobe Creative Suites) and create digital models (Rhino) in the analysis and synthesis process.
- the ability to engage learning and academic discourse based on self motivation and in a manner of a college student, i.e. to be inquisitive, not passive, to be able to see connections between things and to be able to build knowledge cumulatively, i.e. to be able to retain skills and knowledge as one proceeds from one semester to another.

Student Performance Criterion/a addressed (list number and title):
A.2. Design Thinking Skills
A.3. Visual Communication Skills
A.5. Investigative Skills
A.8. Ordering Systems Skills

Topical Outline (include percentage of time in course spent in each subject area):
Analytical Skills and Methods (50%)
Synthesis Methods (40%)
Representational Skills (10%)

Prerequisites:
ARPL102: Architectural Foundations II.

Textbooks/Learning Resources:
Jenkins, Eric. Drawn to Design: Analyzing Architecture through Freehand Drawing (Birkhauser, 2013)
Blackboard

Offered (semester and year):
Fall only; annually

Faculty assigned (list all faculty assigned during the two academic years prior to the visit):
Eric Jenkins (F/T)
Jay Kabriel (F/T)
Miriam Gusevich (F/T)
Carlos Reimers (F/T)
Scott Wilets (P/T)
David Dewane (P/T)