

## TSA Information for Architectural Design and Drafting (ARCH)

October 14, 2019

Name of faculty member responsible for TSA reporting: **Peter Gramlich**

**Description of TSA(s) in 300 words or less:** ARCH uses portfolios and performance assessments (local) to determine TSA for its program outcomes. The department has two courses that most closely approximate a 'capstone' of student learning: the fall 201 (Residential Studio) and spring 203 (Residential Remodel Studio). Each course is 6 credits and meets for 13 hours a week. Students complete an intensive term-long design project and submit drawing sets of (10) 24x36 sheets: these construction documents have always been the currency of the profession. We evaluate each set for completeness and accuracy using industry-mandated graphic and construction guidelines.

**Maximum score possible:**

80 for Outcome 2 performance assessment: Produce architectural drawings using a range of computer-aided drafting software. These 80 points are divided into 16 categories, which we call a Degree Outcome Assessment.

80 for Outcome 3 performance assessment: Produce a set of construction documents that describe the construction requirements for a building, using accepted industry practices. Same 80-point, 16-category assessment as for Outcome 2.

Outcome 1: Design a residential or small commercial building responsive to site conditions, user requirements, codes and construction standards, and aesthetic considerations. In lieu of a specific template for performance assessment for Outcome 1, the students must have completed ARCH 101 (Intro to Residential Design) for placement into the capstone ARCH 201, and 'bring along' their 101 design as their basis for 201.

Outcome 4: Communicate with design professionals, clients and engineers using industry specific terminology and graphics. We do not have a specific performance assessment for Outcome 4, but it is built into the metric for evaluating their CDs from the 201 and 203; we place especially high value on the industry-specific graphics.

Outcome 5: Complete all phases of the design and documentation process with consideration of its impact on the natural environment. There is no specific performance assessment for Outcome 5, but see this as built into all courses and these in particular: ARCH 101, 113, 124, 201, 203, 204 and 224.

Outcome 6: Select and recommend building systems, structural systems, construction materials, and structural components responsive to the building's design. We do not have a specific performance assessment for Outcome 6, but address this hard-core in our Structures (121, 122, 123) and Building Systems (124, 224) classes.

**Benchmark "meets expectations" score:** 60 for Outcome 2; 60 for Outcome 3

**Clarifying notes:** The SAC has six outcomes, each with proprietary wording as appropriate for the degree to which it applies (ARCH offers two AAS degrees). The various outcomes are assessed in ARCH 101, 110, 113, 121, 122, 123, 124, 131, 200, 201, 202, 203, 204, 224, and 256.

CIP Code	Test Name	Test Type
151303	2AREG005	PALOC