

# Architecture - Techniques (ARCN)

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## **Architecture - Techniques (ARCN) Courses**

### **ARCN 1005 [0.5 credit]**

#### **Introduction to Drawing: Seeing Through the Hand**

Fundamental concepts of line and line weight, light and shadow, perspective, contrast and composition. Exercises will include some mixed media and will introduce students to drawing as a way of translating ideas into images.

Includes: Experiential Learning Activity

One hour lecture and two hours drawing/discussion.

### **ARCN 3999 [0.0 credit]**

#### **Co-operative Work Term**

Includes: Experiential Learning Activity

### **ARCN 4100 [0.5 credit]**

#### **Historic Site Recording and Assessment**

Methods of heritage building documentation including hand recording, photography, rectified photography, total station, gps, photogrammetry, and laser scanning. Non-destructive testing techniques; environmental assessment tools for determining air quality and energy efficiency. Multidisciplinary teams for all project work.

Includes: Experiential Learning Activity

Also listed as ACSE 3207, CIVE 3207.

Precludes additional credit for ARCN 3100 (no longer offered), ARCH 3881.

Prerequisite(s): second-year standing in B.A.S.

Conservation and Sustainability.

Lectures three hours a week, lab or field work two hours a week.

### **ARCN 4200 [0.5 credit]**

#### **Building Pathology and Rehabilitation**

Deterioration mechanisms for concrete, timber, steel and masonry structures. Identification of design deficiencies; criteria for selection and design of rehabilitation systems. Design techniques to reduce deterioration in new construction and historical structures.

Includes: Experiential Learning Activity

Also listed as ACSE 4601, CIVE 4601.

Prerequisite(s): ARCN 4100 and third-year standing in B.A.S. Conservation and Sustainability.

Lectures three hours a week, lab/field work two hours a week.