

Course Number and Title: ARCH 152 / Architectural Drawing II / 3.0 Credits

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*“There are painters who transform the sun into a yellow spot,
but there are others who, thanks to their art and intelligence, transform a yellow spot into the sun.”
- Pablo Picasso*

PROJECT 3: Materiality and Color

Color rendering of buildings makes the process of illustrating design ideas possible. When utilizing color to depict materials, it is important to recall the complexity of the material's makeup. Rarely can we assign a single color to a material. Instead, we must work with layers of color in different (and sometimes unexpected) combinations in order to obtain a final combination that best approximates what is intended. Lighting plays an important role in displaying color: not only is light the *source* of all color, it also allows us to see *transformations* in a single given color based on light levels, as well as its reflectivity and luminosity.

For the final project of the term, you will utilize the techniques covered in previous projects in combination with your new knowledge of working with color to complete two presentation-style color drawings of Skirkanich Hall, located on the University of Pennsylvania Campus on 33rd St., just south of Walnut St.



Skirkanich Hall, Tod Williams and Billie Tsien Architects, 2006. Photographs by Michael Moran for Architectural Record, 2007.

Assignment 2, Week 8, due 3/2/10 (Section 1) or 3/4/10 (Section 2)

Using the base drawings provided, draft the 33rd Street Elevation and site plan of Skirkanich Hall on a single sheet of drawing paper. Be certain to follow these requirements which will affect your grade:

- Compose the sheet with an appropriate amount of space between each drawing and at the borders.
- Leave room at the bottom of the page to hand-letter the project title (1" high letters), your name and the date (1/4" high letters). Beneath each drawing on the page, hand-letter the title of the drawing itself (ie, Elevation or Site Plan in 1/2" high letters) and the drawing scale (1/4" high letters).
- Include a North Arrow, using an appropriately-sized and styled graphic for the drafted composition.
- Draft only using your leadholder, using an appropriate range of line weights. Recall the following:
 - Primary:** cut-through elements in plan and section, including structure; profile of foreground objects in elevation
 - Secondary:** change of plane such as door and window frames; stairs; major components; site elements such as trees and scale figures
 - Tertiary:** surface textures; closely-spaced lines such as the thickness of glass; minor components
 - Construction:** all layout lines, including lines for lettering layout; annotative lines
 - Dashed:** important overhead lines; important information that is hidden from view
 - Ground line:** when drafting an elevation or section, a heavy-weight ground line must be shown to extend beyond the perimeter of the building. This line is at least double the primary line weight.

Assignment 3, Week 8, due 3/2/10 (Section 1) or 3/4/10 (Section 2)

Practice drawing scale figures in your sketchbook at 1/16", 1/8," 1/4" and 1/2" scale, filling at least two pages with these drawings. Practice drawing architectural trees in your sketchbook at the same drawing scales in plan and elevation, filling at least two pages with these drawings, using tree types appropriate to our region (no palms trees!). Scan these pages at 300 dpi and create other copies at 72 dpi to post on your journal. Upload both versions to AW Storage. Select a few final versions and re-draw them on trace paper as overlays on your final drafted drawing for next week – you must have elements in plan and elevation.

Assignment 4, In-class assignment Week 9, due 3/2/10 (Section 1) or 3/4/10 (Section 2) at 4pm

From your firsthand observations and the documents provided, develop a *material and color palette* for Skirkanich Hall. Focus on the 33rd Street elevation and the site plan elements to develop this palette, identifying important materials and qualities, including in response to sunlight. You may utilize your own photographs for reference in addition to the documents provided. By 4:00pm, return to the classroom with these color palettes fully developed for approval by your instructor. You will use these palettes to render your final drawing. Scan your material palette and notes at 300 dpi and create another copy at 72 dpi to post on your journal. Upload both versions to AW Storage.

Assignment 5, Week 9, due 3/9/10 (Section 1) or 3/11/10 (Section 2)

Render, in color, the site plan and 33rd Street elevation of Skirkanich Hall. Incorporate projected shadows on the elevation based on your observations or on a standard projection of 45 degrees. Demonstrate the reflectivity of the glass and other material characteristics. Add scale figures and trees but do not render them as black silhouettes! Scan the final drawing and post to AW Storage and your journal.

Online Journal, Week 10 (final class), due via email 3/16/10 (Section 1) or 3/18/10 (Section 2)

Email the completed version of your website, including your online journal for grading to LKM@Drexel.edu. If you do not email this by noon on the day of your regular scheduled class in Week 11, you will receive a zero for this portion of the work – avoid this by sending an email on time!

