

2010 ARCH 400 REQUIRED MATERIALS

LAPTOP COMPUTER SPECIFICATIONS

See: <http://www.arch.umd.edu/architecture/resources/>

SOFTWARE FOR ARCH 400:

Adobe Creative Suite (including Adobe Photoshop, Adobe InDesign, Adobe Illustrator)

SketchUp: <http://sketchup.google.com/intl/en/> (you can download this for free)

STUDIO MATERIALS FOR ARCH 400

Please note that the following materials are recommended for the Architecture 400 class. The names of suppliers can be found listed in most Yellow Pages under Art and/or Drafting Suppliers - Retail. Many of the items can be found at the campus store. Students, in the past, have often acted as a group and have placed orders with some of the large suppliers in New York or Boston (notably: Charrette, Boston / New York, or Pearl Paint, New York). Upper level students will be very helpful for information concerning the popular local suppliers.

DRAWING BOARD

1. Drawing board surface (i.e., Vinyl Board Covers - Borco® surface).
2. Parallel Rule 42" - 48" min. (T-Square is really not recommended).
3. Green heavy-duty vinyl cutting board or heavy weight chipboard cutting surface.

DRAWING INSTRUMENTS

1. 10" Adjustable Triangle
2. 12" Triangular Architect's Scale (scales 1'-0"=3/32, 3/16, 1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/2, 3)
3. Dusting brush
4. Circle template 1/16" diameter to 2-1/4" diameter
5. Compass/Divider Set with 6" compass extension and 6" divider
6. Push Pins

PENCILS AND LEAD HOLDERS

1. Two - lead holders
2. Lead pointer
3. Leads: 2H, H, F, B, 2B, 4B
4. White Plastic Eraser
5. # 314 Eagle Draughting Pencils or equal soft lead pencils
6. Erasing shield

GLUES AND ADHESIVES

1. Drafting Dots or Masking Tape
2. Elmers white glue
3. Rubber Cement

PAPERS

1. 12" and 24" roll of tracing paper (A.K.A., bumwad, yellow trace, buff, yellow trash, etc.)
2. Bound sketchbook approximately sized 8-1/2" x 11" (There are many brands and styles to choose from. You should attempt to judge the quality of the paper, however, before you buy. Some papers may be too thin while others may be too slick in their surface quality.) Moleskin is one of the best brands.

CUTTING TOOLS:

1. X-ACTO No. 1 Knife
2. #11 blades - Bulk Pack 611
3. Utility knife with extra blades.
4. 24" Cork (non-slip) backed, flexible aluminum or stainless steel ruler (with metal finger guard is best)

DO NOT BUY LARGE AMOUNTS OF MYLAR, VELLUM, ILLUSTRATION BOARD, STRATHMORE BOARD OR CHIPBOARD UNTIL THEY ARE NEEDED. THE FACULTY WILL PROVIDE PRESENTATION MEDIA SPECIFICATIONS FOR EACH PROJECT.

2010 ARCH 400 REQUIRED MATERIALS

REQUIRED BOOKS FOR ARCH 400:

Allen, Edward and Joseph Iano, *The Architect's Studio Companion: Rules of Thumb for Preliminary Design*. (Hoboken, NJ: Wiley, 2007). **ISBN** 0471736228 (cloth: alk paper) 9780471736226 (cloth: alk paper)

Ching, Francis D. K., *Architecture: Form, Space, and Order*. (New York: Van Nostrand Reinhold, 1996). **ISBN** 0442017928

Ching, Francis D. K., *Architectural Graphics*. (New York: John Wiley, 2002). **ISBN** 0471209066

Ching, Francis D. K., *Building Construction Illustrated*. (Hoboken, NJ: John Wiley & Sons, 2009) **ISBN** 9780470191439 (pbk.: alk. paper) 0470191430 (pbk.: alk. paper)