

**ARC 101 – Design Studio 1**  
**Department of Architecture**  
**University at Buffalo – School of Architecture and Planning**  
**Fall 2011**

## **Purchasing Materials**

You are responsible for the acquisition of materials for the course. If you have questions about any of the supplies, please e-mail Nick Bruscia at [nbruscia@buffalo.edu](mailto:nbruscia@buffalo.edu) prior to the start of studio. The Department of Architecture is not affiliated with any of the vendors of supplies, and you are not obligated to buy supplies from any specific vendor. However, please note that several local suppliers have developed ‘architecture kits’ for your convenience. Often, these kits do not contain all of the materials listed below.

If you purchase a kit, please note the items that are not included and purchase them separately. Prices shown are approximate and are an average from several sources.

### **Basic Set of Required Materials**

1. Trace: 18" x 50-yard roll (white or buff, not yellow) (\$20)
2. Sketchbook: hardcover, 5.5" x 8" (\$10)
3. Coroplast board 23x31 (\$6) (for inside the nylon art case to stiffen it)
4. Sanford Sharpie fine point marker (\$1.30) \*
5. Sanford Sharpie ultra fine point marker (\$1.30) \*
6. Generals Draughting Pencil, Pkg. 2 (\$2.50) \*
7. Woodless Graphite Pencil: HB (\$3.50)
8. Woodless Graphite Pencil: 3B (\$3.50)
9. Woodless Graphite Pencil: 6B (\$3.50)
10. Drawing leads: pkg. of three 4H (\$3.50)
11. Drawing leads: pkg. of three 2H (\$3.50)
12. Drawing leads: pkg. of three HB (\$3.50)
13. Drawing leads: pkg. of three 2B (\$3.50)
14. Turquoise 10C Lead holder (\$8) \*
15. Hand-held pencil sharpener (\$5)
16. Lead pointer (\$10)
17. Eraser (kneaded) (\$1.40)
18. Eraser (ink) white vinyl or imbibed yellow plastic (\$2)
19. Eraser (pencil) - Mars Plastic 526-50 (\$1.50) \*
20. Pounce filled dry cleaning bag (\$6)
21. Eraser shield (\$1)
22. AA Pro Drafting Tape, one roll 3/4inch x 60yds (\$6)
23. Scotch Magic tape, 3/4" x 300" (\$2)
24. Hot glue gun (\$6.00)
25. Hot glue sticks (\$2.50)
26. Elmer's Glue-All 8oz (\$4) \*
27. X-Acto X2000 black knife with rubberized barrel and #11 blade (\$7)
28. Soldering iron (\$10)
29. Oatey 1.7oz. Solder paste and brush (\$4) \*
30. Bernzomatic LRC464 4oz. lead bearing rosin core electrical solder (60/40 content) (\$7) \*
31. Razor blades, single-edge, pkg. of 10 (\$2.50)
32. Utility knife (\$7)
33. Utility knife blades (5 pkgs. of 5 each) (\$2.50)
34. Cutting mat 18" x 24" (\$40)
35. Push pins – box of 100 (clear) (\$6)
36. Tweezers, blunt (\$6)
37. Drafting brush (\$6)
38. Compass – quality brand with breakaway arm, extension, and inking attachment (\$30)
39. 6" Triangle – tinted, not clear, with elevated/beveled edges for inking: 30°/60°/90° (\$4)
40. 14" Triangle – tinted, not clear, with elevated/beveled edges for inking: 30°/60°/90° (\$11)
41. 10" Triangle – tinted, not clear, with elevated/beveled edges for inking: 45°/45°/90° (\$8)
42. X-Acto X7725 3 inch Stainless Steel 45/45/90 Triangle (\$9.50) \*
43. Alvin LX712K 12" Professional-quality adjustable triangle (\$32) \*
44. French curve set of 4 (\$10)

45. Protractor, 6 inch 180 degree (\$2.50)
  46. Picket 1204-I Circle Master inking template (\$12) \*
  47. Measuring tape – 25' with 1" wide metal blade (\$13)
  48. Cork-backed metal ruler – 6" (\$3)
  49. Cork-backed metal ruler – 24" (\$8)
  50. Architectural scale (\$5)
  51. Mayline D7262A 42" parallel rule with rollers (\$212) \*
  52. Alvin Pencil Box (\$2.55)
  53. VYCO board cover 31" x 42" (\$49)
  54. Drafting lamp (\$27)
  55. Channel-Lock 317 Needle Nose Pliers (\$17) \*
  56. Channel-Lock 337 Wire Snips (\$17) \*
  57. Chopper (for cutting accurate angles) (\$27)
  58. Prestige brand N2331 Nylon Art Case 23x31 (\$14) \*
  59. Digital camera (\$250.00+)
  60. Digital camera tripod (\$25)
  61. Large tool bin or trunk with padlock and chain (\$60)
- \*-Must be brand and model specified

### **Recommended Set of Tools**

*(Hand tools are available for your use in the School of Architecture and Planning Materials and Methods Shop. However, if you want to work outside the Shop, we recommend that you purchase your own set of hand tools.*

Hammer (\$14)

Set of screwdrivers (\$4)

### **Recommended Software**

While the University does not require students to have their own computers, the School of Architecture and Planning highly recommends it. Similarly, though we do not require that you purchase specific software programs, Adobe Illustrator, Photoshop and InDesign will all be used in your first year studio course. A number of versions of the Adobe Creative Suite are available that contain these three programs and others in one package. The most cost effective is called the Adobe Design Standard CS5 on DVD with versions made for Windows or Macintosh. The University's IT Support Services Department, UB Micro, has an excellent web store at [www.ubmicrosuny.com](http://www.ubmicrosuny.com). They currently show these items for sale at \$220.00. They are also available from various other sources such as Follett's web site: JourneyEd.com. If you already have one or more of these programs, you may choose to purchase only those you lack. Our computer labs are also equipped with these programs.

### **Optional (but highly useful) Materials**

Dremel (\$86)

Rapidesign Lettering Template R-960V (\$13)

Picket 1264-I Isometric Ellipse Template (\$13)

X-Acto X75320 Small Mitre Box Set with Saw (\$20)

### **Additional Materials**

In addition to the basic set of required materials, you will need to purchase materials for the construction of each project assigned throughout the semester. This material should be purchased as needed rather than at the beginning of the semester. Given that each of you will take a unique approach to the projects, it is difficult to predict exactly what you'll need. However, typical materials include: Papers such as drafting mylar or vellum, watercolor paper, charcoal paper, etc. (approximately \$150.00 for the semester) Model materials such as basswood, chip board, dowels, wire, plaster, etc. (approximately \$200.00 for the semester)

All tools should be permanently labeled with your name.

**PLEASE NOTE: If you resign from the studio course, you have 24 hours from your drop date to retrieve your supplies. After that time, supplies will be added to the general studio supply box and will be distributed to students who have need for them.**