

## Introduction to Architectural Design and Theory Course: Materials List

All students are requested to purchase the following supplies before the first day of class. Students should bring these materials to the first day of studio. NOTE: Listed prices are approximate.

ITEM	approx. COST
<b>Drawing supplies:</b>	
Portable drafting board <b>w/T-square 20" x 26"</b> (such as Alvin PXB Board) NOTE: For approx. \$90, can purchase board w/ parallel straightedge; only recommended if student expects to continue drawing on their own after course.	\$30.00
Sketch book, <b>unlined</b> : approximately 8 ½" x 11"	\$10.00
Lead holder and drawing leads: 2H and HB	\$8.00
Lead pointer (sharpener)	\$8.00
Eraser: white plastic (Staedtler Mars recommended)	\$3.00
Architects scale: 12" triangular; either Metric or Imperial (NOT engineering)	\$4.00
2 Triangles with inking edge, 12" or larger (30/60/90 & 45/45/90)	\$16.00
Roll of tracing paper: 14" or 18" in length (either white or canary; NOT )	\$7.00
Roll of drafting tape (drafting dots are preferred, but might be more expensive)	\$10.00
Felt-tip pens (twin tip Sharpie, 2 Black & 2 Red) for sketching	\$10.00
Bristol paper pad, 11" x 17" with 24 or more medium-weight sheets (Strathmore Bristol 300 smooth is recommended)	\$9.00
Subtotal	<b>\$115.00</b>

<b>Model supplies:</b>	
Cutting mat, 18 x 24" or larger	\$16.00
X-Acto knife with 15 or more extra #11 blades	\$10.00
Metal ruler: 18" with safety rail (Alumicutter-type ruler is recommended)	\$12.00
Elmer's Glue, 8 oz.	\$2.00
Push Pins (box of 100)	\$3.00
Subtotal	<b>\$43.00</b>

**Grand TOTAL \$158.00**

The following are optional drawing supplies, but are highly recommended:	
Box of Standard Pencils (HB #2) for sketching	(OPTIONAL) \$6.00
Erasing shield	(OPTIONAL) \$3.00
Flexible curve	(OPTIONAL) \$10.00
Set of colored pencils (12 count)	(OPTIONAL) \$13.00
Subtotal	<b>\$32.00</b>

**Grand TOTAL (with OPTIONAL materials) \$190.00**

**Total cost will vary, depending on whether purchasing generic products (prices listed) or name-brand products.**

## **Explanation of Materials:**

The internet links below are provided as examples only, for your convenience; you are not required to purchase the exact brands or products shown, unless specified above. Nearly all the required supplies are available online at [www.artstuff.net](http://www.artstuff.net). Students may also purchase their materials at various art stores once they arrive in New York City, just before classes begin.

## **Drawing Supplies:**

### **Portable drafting board with T Square**

A board laminated with a smooth surface, with a parallel ruler, for drafting.  
<http://www.artstuff.net/pxb-parallel-straightedge-drawing-boards.htm>

### **Sketch book**

Select one that is easy to transport and to use whether you're sitting down, standing up, with or without supporting surfaces, and one with desirable tooth.  
<http://www.artstuff.net/Canson-Hard-Cover-Sketch-Book.htm>

### **Lead holder/drawing leads**

A lead holder is a mechanical pencil which holds thick leads. Drawing leads come in various weights: The "H" series are the hardest leads, good for making sharp, faint lines on paper. The 'B' series include softer leads, better for shading and filling. As the number increases, the hardness or softness increases (i.e. a 6B lead is softer than a 2B, a 6H is harder than a 2H). 'HB' is in the middle of the range. Different leads can be used together to create gradations of shading to give the illusion of shadow or depth. Students will only require 2 extra sticks of lead of each type (HB & 2H) so you may purchase smaller packs if they are available; but typically they come in packs of 12.  
[http://www.artstuff.net/Staedtler-Technico-Lead-Holder\\_p\\_2681.html](http://www.artstuff.net/Staedtler-Technico-Lead-Holder_p_2681.html)

### **Lead pointer**

Sharpens lead while encased in lead holder.  
<http://www.artstuff.net/alvin-rotary-lead-pointers.htm>

### **Eraser**

StaedtlerMars erasers work well with lead without leaving a residue on the paper.  
[www.artstuff.net/white\\_vinyl\\_erasers.htm](http://www.artstuff.net/white_vinyl_erasers.htm)

### **Architects scale**

A triangular ruler used to make/take measurements at a variety of scales typically. Note: please make sure you purchase an architecture scale not an engineering scale.

[www.artstuff.net/staedtler\\_architectural\\_triangular\\_scale.htm](http://www.artstuff.net/staedtler_architectural_triangular_scale.htm)

### **Triangles**

These are used in conjunction with parallel rule. 30/60/90 and 45/45/90 refer to the angles that compose the triangle. An "inking edge" is beveled to prevent the pooling or smearing of ink from technical pens.\

[http://www.amazon.com/Smoke-tint-Inking-45-Triangle-8in/dp/B000HEOHJE/ref=sr\\_1\\_2?ie=UTF8&qid=1391823154&sr=8-2&keywords=45+90+inking+triangle](http://www.amazon.com/Smoke-tint-Inking-45-Triangle-8in/dp/B000HEOHJE/ref=sr_1_2?ie=UTF8&qid=1391823154&sr=8-2&keywords=45+90+inking+triangle)

### **Trace paper**

This lightweight, semi-translucent paper can be bought in a roll or a pad of separate sheets. Available in white, buff and yellow. 12" width recommended.

<http://www.artstuff.net/bienfang-sketching-paper-rolls.htm>

### **Drafting dots/drafting tape**

This is used to tape paper to the drawing board. Do not use masking or scotch tape. Drafting tape easily detaches from paper unlike other tapes (also useful when building models). Dots come in a strip of separate tabs, while tape comes in a roll. Artists tape is an acceptable alternative.

<http://www.artstuff.net/drafting-tapes.htm>

### **Felt Tip Pens**

Sketching pens (best name brand Sharpie) come in a variety of colors and thickness. Thinner pens can be more accurate, thicker pens more gestural. Some pens have a writing nib (w/ cap) at each end, on thick and one thin.

<http://www.amazon.com/Sharpie-Fine-Point-Black-1742659/dp/B0027ACOIM>

### **Bristol paper**

A smooth, medium-weight paper, good for making presentation drawings and sketch models. Comes in pads of various sizes.

<http://www.artstuff.net/Strathmore-Bristol-Vellum-Surface-Pads.html>

## **Model Making Supplies:**

### **Cutting mat**

Stiff, self-healing plastic sheet about 3/16" thick used as a cutting surface. It is mandatory in the design studio where space is limited and one surface must serve for both drafting and model building.

NOTE: Cutting on drawing surface of table tops is prohibited!!!

[https://www.schooloutfitters.com/catalog/product\\_info/pfam\\_id/PFAM7546/products\\_id/PRO19021?sc\\_cid=Google\\_ALV-GBM1824&adtype=pla&kw=&CAWELAID=1238943203&CAGSPN=pla](https://www.schooloutfitters.com/catalog/product_info/pfam_id/PFAM7546/products_id/PRO19021?sc_cid=Google_ALV-GBM1824&adtype=pla&kw=&CAWELAID=1238943203&CAGSPN=pla)

### **X-Acto knife/Olfa knife**

Both knives are used for model building. Standard X-Acto knives with #11 blades are good for straight and small detailed cuts. The Olfa or utility knife is better for thicker, denser boards, but not as good for detail. We recommended students buy at least 15 extra X-Acto #11 blades and 5 extra Olfa blades.

[www.artstuff.net/xacto\\_gripster\\_knives.htm](http://www.artstuff.net/xacto_gripster_knives.htm)

<http://www.artstuff.net/olfa-l1-ratchet-lock-utility-knife.htm>

### **Metal ruler with safety rail**

An 18" metal ruler with a safety rail such as the Alumicutter (see link) is recommended. If you cannot find an Alumicutter or similar product, a metal ruler with a cork back to prevent slipping is acceptable.

<http://www.artstuff.net/alumicolor-straightedges.htm>

### **Sobo glue or Elmer's glue**

Elmer's is the most commonly used glue for models. Sobo is a white, non-toxic alternative. Both dry clear.  
[http://www.amazon.com/Elmers-Glue-All-Multi-Purpose-Ounces-E1324/dp/B0038DR6LC/ref=sr\\_1\\_15?ie=UTF8&qid=1321462751&sr=8-15](http://www.amazon.com/Elmers-Glue-All-Multi-Purpose-Ounces-E1324/dp/B0038DR6LC/ref=sr_1_15?ie=UTF8&qid=1321462751&sr=8-15)  
<http://www.artstuff.net/sobo-craft-and-fabric-glue.htm>

### **Push Pins**

These are for attaching drawings to the wall, to be discussed/reviewed. Many kinds are available, in price ranges from fancy to utilitarian.  
<http://www.google.com/search?q=push+pins#q=push+pins&tbm=shop>

### **Optional Drawing Supplies:**

Sketching pencils come in a variety of weights, same as drawing leads. Additionally, some students may prefer to use mechanical pencils (though they tend to be a little pricier than what is recommended above). Erasing shields are small metal plate used to isolate parts of a drawing to be erased.

Flexible curves are used to bend into particular shapes for drawing smooth curves (compasses can be used for this, but only make circular arcs, as opposed to the more complex arcs that flexible curves can generate).

Compasses are used for drawing circles based on the mid-point (they may be adjustable with "broken arm" which increases radius length).

Colored pencils may be used for rendering, shading, or diagramming. Prismacolor is the most common brand, which you can buy in sets or individually.

### **Art Supply Stores**

The following is a list of art supply stores where you will be able to purchase supplies for studio in NYC. It is possible to buy the materials in advance, but that would necessitate including them in your luggage when traveling to NYC from any distance.

We recommend the following stores:

Janoff's 2870 Broadway (at 111th Street) 212-866-5747  
Al Friedman 44 West 18th Street (at 6th Avenue) 212-337-8600  
Jerry's New York Central 111 4<sup>th</sup> Ave (at 12<sup>th</sup> Street) 212-473-7705  
Paper Presentation 23 W 18th St (at 5<sup>th</sup> Avenue) 800-727-3701

Students can also find supplies beyond those typically found at an art supply store at these stores:

ACE Hardware 206 East 119<sup>th</sup> Street 212-722-1553  
University Hardware 2905 Broadway (at 113th Street) 212-662-2150  
Canal Plastic Center 345 Canal Street 212-925-1032  
The Compleat Sculptor 90 Vandam Street (at Greenwich Street) 212-243-6074