Fall 2022   **THOMAS JEFFERSON UNIVERSITY College of Architecture and the Built Environment**
Supply List   **ARFD-101 – DESIGN 1**

Setting up a first studio work space can get expensive. Most of these items will be used for all of your design studios throughout your time at TJU – and during your professional life as a designer. These will only need to be replaced when lost or you desire an upgrade. Not all items will be used immediately. Feel free to purchase tools and supplies as necessary. Check out the Campus Store web site to get started if you like: https://jeffersoncampusstore.com/

✳ **Small Tools Kit:** The small tools listed below in **bold type** are included in a package prepared by the TJU Campus Store (apx. $75). The kit also includes some additional items you will need for ARFD-103: Visualization 1 – Drawing. We encourage sharing!
If you do not have any tools, it is probably easier and less expensive for you to purchase this package.

✳ **Digital Technology Requirements:** You will need a laptop (with a camera & microphone), headphones, and a digital camera (the one on your smart phone will work). You might want a selfie stand. See the college website for laptop specifications:
https://www.jefferson.edu/academics/colleges-schools-institutes/architecture-and-the-built-environment/student-resources/laptop-requirements-equipment-supplies.html

✳ **Portable Drafting Board** 24" x 36" with attached Parallel Rule – This is a pricier item, but using it will truly improve your work.
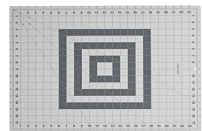
For the First Day of Class:
- ✳ Sketchbook - hardcover, unlined, min. 5"x7" (spiral or hard bound)
- ✳ **Pencil Sharpener,** one that catches the shavings
- ✳ **Set of drawing pencils; recommended weights – 4H, 2H, H, HB, 2B, 4B, 6B**
- ✳ **Eraser - white plastic**
- ✳ **Architect's scale ruler - triangular, 12" long**

For the First Month of Class:
- Vellum Drawing Pad – 11" x17" (min 20 sheets) – you can see through vellum!
- Cutting mat 18"x24" with grid
- **Metal ruler - 12" long, with cork backing**
- **X-Acto knife with #11 blades**
- Box of 100 #11 X-Acto blades
- Mat or utility knife with blades or **Snap-off knife** (Olfa or X-Acto)
- White (or yellow or buff) tracing paper, 12" or 24" wide roll
- **Drafting tape or drafting dots** (You may also want masking tape)
- White glue - Elmer's or Sobo, get both the smallest bottle and a larger bottle for refills
- Rubber Cement
- Push Pins (not thumb tacks) Clear, 100
- **Lead holder (clutch pencil)**
- **Leads for lead holder; recommended weights – 2B, HB, H, 2H, 4H**
- **Lead sharpener (hand held)**
- T-Square (36" or 42" long), metal - or - wood with clear edge
- **30˚-60˚ triangle - 12" or 14"**
- **45˚ triangle - 10" or 12"**
- Prismacolor pencils, 12-pack set, larger if you can afford it (plus Black, White, Warm Gray 50%)

Recommended Additional Drafting Tools you will need for this Class:
- o **Eraser – Kneaded**
- o **Eraser – Art Gum** (to use for a specific project)
- o **Erasing shield**
- o **45˚ triangle - 4"**
- o **Circle template**
- o **Set of 3 Pigma Micron Fine Line pens** (or similar)
- o Adjustable triangle - 8"
- o Compass - get the best one you can afford
- o Color Wheel

Recommended Additional Model Making Tools
- ☐ **Shop Safety Glasses (REQUIRED to use TJU power tools)**
  (side protection required) (Get ones that fit over your corrective lenses!)
- ☐ 6" metal straight edge (ruler)
- ☐ Modelmaker's miter box & saw (or "The Chopper")
- ☐ Tweezers
- ☐ Scissors
- ☐ Double faced masking tape
- ☐ Set of needle files & Emery Boards
- ☐ Additional X-Acto knife handles & blade styles

❋ **Storage:** Make your life easier by getting: a storage box/bag for your small tools, a lightweight portfolio/ artists' backpack for carrying flat drawings, an Ice Tube for rolls of drawings. Many students find a folding rolling crate to be useful. You might also want a combination lock with a cable.

❋ **Paper Sizes:** It is our goal to have required drawings fit on either 11x17 or 18x24 drawing sheet size. Consider this when purchasing pads of paper and carrying cases.

❋ **EXTRA MONEY - Allow at least $250.00 for <u>additional</u> expenditures.**
There will be additional materials required – chip board, basswood, presentation boards and paper, paint, clay, wood, metal, fasteners, etc. These should be purchased when specific projects require them. You should factor the cost of project-based materials into every semester of design school.

❋ **Recycled Materials**: If you have clean boxes, feel free to break them down, store them and use them for study models. Save both cardboard (Amazon delivery) and chipboard (cereal, pop-tarts…). No greasy pizza boxes!

❋ **Art Supply Stores:** Most of the supplies you will need for Design 1 are available in the Campus Store, but you might find a broader selection of tools and materials at some of these stores (or your local version). In addition, the Fab Lab provides a map to various specialty material stores. While you may find some great prices online, some items do not ship well (i.e. sheets of cardboard).

Artist & Craftsman Supply
307 Market Street
(267) 861-6008
7926 Germantown Ave
215-248-1513
http://www.artistcraftsman.com/

Blick Philadelphia
1330 Chestnut Street
Philadelphia
(215) 545-3214
http://www.utrechtart.com/
www.dickblick.com/stores/pennsylvania/philadelphia/

Everything Plastic
444 N. 2nd Street
Philadelphia
(877) 677-8872
www.everythingplastic.net/

Merion Art & Repro
17 W. Lancaster Ave.
Ardmore PA 19003
610-896-6161
http://www.merionart.com/

HARDWARE STORES
Home Depot (multiple locations)
1601 S Columbus Blvd.
215-218-0600
4640 Roosevelt Boulevard
215-537-6100
www.homedepot.com/

Lowe's Home Improvement (multiple locations)
2106 South Christopher
Columbus Boulevard
Philadelphia
(215) 982-5391
www.lowes.com/

Stanley's Hardware
555 Ridge Avenue
Philadelphia
215-482-1200
You can walk here
(if your purchases are not too bulky)
http://ww3.truevalue.com/stanleys/

❋ **REQUIRED TEXT:**
    Francis D. K. Ching, *Architectural Graphics, 6th Edition*

❋ **RECOMMENDED TEXT:**
    Francis D. K. Ching, *Architecture: Form Space and Order, 4th Edition*