

## MATERIALS LIST

Throughout the term there will be a number of projects requiring the use of digital and/or traditional media. The traditional media projects will primarily be created with watercolor and cut paper collage. A number of the traditional tools listed below are what a student or designer would typically use in the creation of these products. For example, one expects to cut paper in a collage and then glue to a backing material so an Xacto knife, straight edge for cutting, and rubber cement are listed. The watercolor projects don't require you to lay out diagrams before you apply paint, but you may wish to. For those who are accomplished in watercolor and have a steady hand, it may be possible to complete the work "by eye" without any preliminary pencil layout. Others may want to use a light pencil, triangle/straight edge, and scale to lay out the work prior to the application of paint. The lists proposed include most of what you would need to accomplish the work. And the list assumes you have almost nothing. If you have a triangle, for example, that is a different size than the one specified, you may use it instead of purchasing a new one - it should have no impact whatsoever on the quality of the assignments you complete for this class. If you have watercolor brushes, use them. On the other hand, materials used for the actual project submission are required. Everyone must submit watercolor work on the 9" x 12" watercolor paper specified and must use watercolor paints. Everyone will need to cut paper for collage. And everyone will have to submit digital work for archiving on CDs and/or DVDs.

### *Digital:*

- Blank DVD-Rs or DVD+Rs for submission of work. (Note: While it is likely that you will need fewer than 10 for the term, these serve as relatively inexpensive media for back-up and you will also be using them for other courses during your academic career at NJIT - so a spindle is the cheapest solution. Beware of "generic" media - they are not always successful in recording. Experience has shown that "brand name" (e.g. TDK) blank DVDs tend to be more reliable.) You may also want blank CD-Rs and use the particular disk that best suits the size of the files you are submitting. You are going to need the DVD-R. The CD-R blanks may be used as a supplement and you can use whatever is most economical at the appropriate times.
- Paper sleeves for submission of DVDs. (Media that are not protected may scratch and become unreadable.)
- External USB hard-drive (160 GB minimum) with USB cable for back-up of work.

### *Traditional:*

- A minimum of four different watercolors (tube preferred) that will give you three "primaries" and at least one complement. Recommended colors for the primaries are: cadmium yellow light, ultramarine blue or phthalocyanine (phthalo) blue, and cadmium red or alizarin crimson. You may substitute (if you are having difficulty obtaining the preferred colors) with colors such as lemon yellow or aureolin yellow, cobalt blue and/or cadmium red medium or light, or vermilion. You may, at your discretion, supplement your collection by adding colors such as phthalo green or viridian green, cerulean blue, magenta, cadmium scarlet (cadmium red orange), etc. NOTE: *You will be using watercolors in very limited amounts so students may share tubes of colors.* You may purchase the smallest tubes available (unless you plan to create a lot of watercolors outside of this class for personal use). However, **unless directed otherwise, work shall be individual.** Complements should be selected carefully to make sure that mixing two complements will provide you with a neutral gray. Some complement pairs are: cadmium yellow light and ultramarine violet, phthalocyanine blue and cadmium scarlet, alizarin crimson and viridian green, cadmium red medium and phthalo turquoise (green-blue), cerulean blue and cadmium red light, and ultramarine blue and cadmium orange.

- Mixing palette for watercolors.
- 9" x 12" cold press watercolor paper (12 to 15 sheet block; ≈ 140 pound weight)
- heavy paper stock or illustration board (white) for collage (assignments will not require sizes larger than 11" x 17" but you may cut larger sheets into several smaller ones)
- Xacto Knife: #1 Knife with 15 (or more) #11 blades (note: interior designers and industrial designers are likely to use these throughout their academic career and will find that a box of 100 blades will be more economical over time)
- 12" architects triangular scale
- Rubber cement and rubber cement pick-up
- 18" steel straight edge for cutting (cork bottom suggested)
- 12" x 18" or 18" x 24" cutting mat (required if you do any cutting on NJIT-owned desks or tables)
- Lead holder
- 2H leads
- Vinyl eraser and eraser shield
- Lead pointer for sharpening lead holder leads
- 2 watercolor brushes
- 8" – 30°-60° plastic triangle and/or 10" – 45°-45° plastic triangle (The triangles will be used to help layout some work created with traditional media. Industrial Design and Interior Design students are likely to want both since they will be building physical models throughout their educational career.)
- Compass

**Students do not need to bring traditional media tools or materials to class unless instructed otherwise.**

**Students who have already taken AD 111 - Communication in Art + Design: Traditional Media or ARCH 163 - Modes of Design Communication I will have most of the materials required. Student who are or will be taking either of those courses will use most of the traditional tools and consumable materials in those courses as well as this one. Students in Industrial Design and Interior Design will continue to use these tools in their respective design studios. Digital Design students may use these tools, but in more limited applications.**

**Some Sources for Purchases:**

The New Jersey Institute of Technology and New Jersey School of Architecture neither requires nor recommends any particular vendors for supplies, software or books. However, as a convenience to students, following is a list of potential sources. Please note that there are other sources (online and physical) for software, books, and supplies.

**Books:**

NJIT Bookstore (973-596-3200)  
Amazon.com (<http://www.amazon.com>)  
Barnes & Noble (<http://www.barnesandnoble.com/>)  
Taschen Books (<http://www.taschen.com>)

**Supplies:**

**NJIT BOOKSTORE** (973-596-3200)

**NJSOA ASU SUPPLY SHOP****A.I. FRIEDMAN ART**

44 West 18 Street, New York, NY 10011

212-243-9000

212-929-7320 (fax)

also:

431 Boston Post Road, Port Chester, NY 10573

914-937-7351

914-937-8311 (fax)

<http://www.aifriedman.com/>

**BENJAMIN KOSBERG CO.**

231 Broad Street, Elizabeth, NJ 07201

908-352-2773

**CHARRETTE CORPORATION**

31 Olympia Avenue, Woburn, MA 01888

800-367-3729

800-626-7889 (fax)

<http://www.charrette.com>

**JERRY'S ARTIST OUTLET**

Essex Green Shopping Plaza

Prospect Avenue & Route 280

West Orange, NJ 07052

973-669-0995

973-669-8555 (fax)

email: [jerrysnj@aol.com](mailto:jerrysnj@aol.com)

<http://www.jerrysartarama.com/>

**LEE'S ART SHOP**

220 West 57 Street, NY, NY 10019

(between 7<sup>th</sup> Avenue and Broadway)

212-247-0110

<http://www.leesartshop.com/>

**NEWARK ART SUPPLY**

61 Halsey Street

Newark, NJ 07102

973-230-2828

<http://www.newarkartsupply.com>

**PEARL PAINT**

308 Canal Street, NY, NY 10013

212-431-7932

800-451-7327

800-732-7591 (fax)

<http://www.pearlpaint.com>

also:

767 Route 17, Paramus, NJ 07652

201-447-0300 (CLOSED SUNDAYS)

also:

600 Route 1 South, Iselin, NJ 08830

(across Woodbridge Mall at Gills Lane)

732-634-9400

also:

2000 Hempstead Turnpike, East Meadow, NY 11554

516-542-7700

**UTRECHT ART SUPPLIES**

*Outlet Store:*

6 Corporate Drive

Cranbury, NJ 08512

800-223-9132

*Retail Outlets:*

237 West 23rd Street (Between 7th and 8th Avenues)

New York, NY 10011

212-675-8699

also

111 Fourth Avenue (Between 11th and 12th Streets)

New York, NY 10003

212-777-5353

<http://www.utrechtart.com>

**NEW YORK CENTRAL ART SUPPLY**

62 3<sup>rd</sup> Avenue, New York, NY 10003

212-473-7705

***NOTE: Bergen County (NJ) malls, supply shops and bookstores are generally closed on Sundays. This county includes the towns of Englewood, Hackensack, Fort Lee, Paramus and Ramsey as well as others. Not all retail outlets in New York City or Essex County, NJ (Newark and West Orange) are open on Sundays. Check with individual stores to confirm hours of operation.***