APPENDIX B: SUPPLIES AND EQUIPMENT

This Appendix contains relevant excerpts from requirements for all students entering the ED2 Year. It is provided here on an advisory basis for students entering the first year of the MLA program.

DRAWING AND PHOTOGRAPHIC SUPPLIES

Students are encouraged to bring with them any art supplies, drafting supplies and general office supplies (e.g., staplers, hole punchers, erasers, pens, pencils, cutting knife & blades) that they already own. The University Bookstore assembles complete packages of the equipment and supplies that are needed to set up a studio. The Faculty consults with the Bookstore to ensure quality equipment at competitive prices for students in the Faculty of Architecture.

The ED Studio One Kit costs approximately $650 and represents a +/- 40% discount from the list price on the items if they were to be sold separately. Some other “pick-up items” are listed that are not part of the kit. The “pick-up items”, which are also discounted, must be purchased separately from the kit. The total cost of equipment and supplies (including the discounts) for the ED Studio is approximately $900 EXCLUDING the cost of a camera, which many students may have already. Students should wait to make a decision on a camera, if they do not already have one, until after they start their courses.

PICK-UP ITEMS (in addition to the Drafting Kit Lists given below):
• technical pen set or disposable pens (sizes 0.3, 0.5, 0.7 mm)
• drafting lamp
• drawing board (there are several options) - bring one from home 30” x 42” x 3/4” plywood board (one good smooth side) OR buy a 30” x 42” drafting board from a drafting supply store (not particle board) OR buy a 30” x 42” plywood board in the workshop when classes begin OR buy a used board (check the bulletin boards in the Faculty). If you only bring or purchase the plywood and not a fully assembled drawing board, you will also need to purchase a Vinyl Board Cover (“Borco”) and Mayline 42” Parallel Rule
• Moleskine brand dot grid sketchbook
• model making equipment as required for specific assignments
• First Aid Kit – small basic kit

ENVIRONMENTAL DESIGN PROGRAM DRAFTING KIT:

PACKAGE #1:
• Leads Lumograph Tube 2B
• Leads Lumograph Tube 2HB
• Leads Lumograph Tube 2H
• Leads Lumograph Tube 4H
• Adjustable Triangle 10” (250 mm)
• Template Metric Circles
• Template Imperial Odd Ellipse
• Dusting Brush
• Erasing Shield
• Dry Cleaning Bag
• Scale Triangle Mech Eng / Arch
• Scale Architecture 12”
• Push pins clear 30-pack
• Tracing paper canary 12” x 50 yards
• Lettering Guide
• Lead Holder 2mm Mars Technical (2)
• Eraser Pencil / Ink Combo
• Pencil Faber 9000 HB
• Pencil Faber 9000 B
• Pencil Faber 9000 2B
• Pencil Faber 9000 4B
• Lead Pointer
• French Curve 3-piece Set
• Quick Bow Compass w/extension
• 6” Ruler Metal
• 180 Knife

• Blades for 180 Knife
• Knife L-1 Heavy Duty Cutter
• L-1 Knife Blades Heavy Duty
• Sanford Sharpie Markers Black
• Pen V5 Hi-Tech

PACKAGE #2:
• Set Square 14” [350 mm] 30/60 degrees
• Set Square 14” [350 mm] 45/90 degrees
• Cutting Mat 18” x 24”

• Westcott Ruler 24”
• Cardboard Portfolio

SITE SAFETY EQUIPMENT
for site visits:
• hard hat
• steel toe boots
• site safety glasses
• high-visibility vest

CAMERA PURCHASE
Photography is a standard method of recording information and documenting projects in studio courses. There is a wide range of options, brands, and prices. You will require a digital camera that meets the minimum requirements below:

**Camera Body:** Digital SLR, 10 megapixels *minimum*. Please note: your camera must have a full manual override mode. Other required features include: an IR remote or self-release timer, a tripod mount, an integrated flash or, better, a flash shoe.

**Camera Lens:** 18-105mm optical zoom (3X) with macro capability is preferred. Various inter-changeable lenses are preferred (but not required)

**Software:** To download, process, and print your pictures from a computer.

**Optional accessories:** Tripod and cable release.

**Grey card.**

The CADLab has several lenses that can be borrowed by students. Their inventory is listed here: [http://umanitoba.ca/faculties/architecture/cadlab/cadlab_equipment_loans.html](http://umanitoba.ca/faculties/architecture/cadlab/cadlab_equipment_loans.html)

Cameras can be purchased new, used (in camera stores, newspaper classifieds or on Internet auction sites), or rented from specialist stores. If you are uncertain about what to buy, or do not live in an area with a competitive camera market, we suggest you purchase your camera in Winnipeg. If you need information about digital cameras features and specifications you can check the following web sites: [www.imaging-resource.com](http://www.imaging-resource.com), [www.dpreview.com](http://www.dpreview.com), or telephone the contacts below.

There are several camera shops in Winnipeg if you are purchasing new equipment, most of them offer the standard brands – Canon, Nikon, Olympus, Pentax, and Sony – and are competitive in price. We suggest that you do price comparisons and purchase from a dealer who seems knowledgeable about the product (operation, warranty, flexibility) and will provide good follow-up service.
CAMERA STORES

Photo Central, 957 Portage Avenue Telephone: 204 774 4343
Contact: Andrew Toews or Chris Insull
Andrew or Chris will advise individuals on a one to one basis or in small groups, concerning camera purchase to suit personal long-term needs. They provide good follow-up service. Call before you go and identify yourselves as Faculty of Architecture students. They also carry second hand equipment.

Don's Photo, 1839 Main Street Telephone: 204 942 8335
410 Portage Avenue (Portage & Kennedy) Telephone: 204 942 3143
845 Dakota Street Telephone: 204 254 9075

Henry's Winnipeg, 1580 Kenaston Blvd., Unit 120 Telephone: (204) 477-0000

Stores such as London Drugs, Best Buy, and Future Shop also sell cameras, but not necessarily by experienced photographers.

COMPUTER PURCHASE

This part of Appendix B will be included once computer and drawing equipment requirements for 2018-19 have been finalised.

Students should access the CADLab web site (http://umanitoba.ca/faculties/architecture/cadlab/index.html) and click the "For Students" box in order to check the computer specifications for 2018-19 academic year.