

Instruments and Equipment Required for the Course in Architecture

Minimum requirements: -

- Retractable 3m steel tape
- Ring bound Sketchbook (a3/a4/a5)
- Low tack masking Tape
- 300 mm metric scale (1/200, 1/100, 1/50, 1/20, 1/5)
- Pocket calculator approved for University examinations, Casio FX83, FX85, FX115 & FX82 (this calculator no longer manufactured)
- Pencils:
 - Clutch pencil: 2B, B, HB lead (and sharpener)
 - Pencils (clip type): e.g. 0.7 mm with B leads and 0.5 mm with HB leads
- Modelling knife (for cutting card or balsa) Stanley or Scalpel
- Colour pencils and/or oil pastels
- Water-colours and/or marker pens
- Willow Charcoal or compressed charcoal or Graphite stick, white chalk
- Pencil and ink rubbers, GREY putty eraser for artwork
- Scissors
- Digital camera 4-5 Mega Pixels is sufficient and video capability would be an advantage.
- Rotring sketching pen or similar
- USB memory pen at least 2 GB
- Drawing board size A1 (Plywood)

Can be bought later on:

- 300 mm adjustable square (the bigger the better)
- Compass set (capable of taking pen attachment and beam attachment for large circles)
- Hairspray or fixative to fix the drawings
- Sheet of hardboard or similar as cutting board (Please do not cut or glue on studio furniture)
- Erasing shield
- Portfolio to take A1 sheets (can be home made first)
- Grey tone pastels

Expendable materials, e.g. paper, draughting tape, balsa wood, glue etc. will also be needed for studio projects. These can be bought as and when required, but to begin with, an A3 white cartridge pad and an A3 layout pad would be the most useful. Once you have started the course, a roll of sketching/layout paper (min 300 mm wide), is useful. You may use baking paper roll instead.

Advice will be given on equipment types and on suitable shops in Newcastle, many of which give student discount. The Fine Art Shop is open during term time and sells materials and the drawing equipment listed above at cost price.

Increasingly, both students and parents are enquiring about what computer to purchase prior to coming to University. **The School and the University have sufficient machines to meet the needs of the student population and do provide a data backup service and no student will be disadvantaged by not owning their own computer.** However if you wish to purchase either a laptop or desktop machine, the University uses PCs, running Windows XP or Vista. Most now have >1 GB of memory and > 80 GB HDD, which will be adequate for most 'office based tasks'. Most of the Campus has WiFi so make sure you have this, saves on wires! For CAD and graphics a faster the processor, Core 2 Duo or better, the larger the memory and HDD the better, though these requirements come at a cost and a balance between performance and affordability needs to be made.

Feedback from students has indicated that laptops offer greater flexibility, virtually all laptops act as entertainment centres, watching You Tube, DVDs, Face book and docking i pods etc.

For software there are deals for Sketchup, Archicad, AutoCad etc and do not overlook Open Source software visit <http://www.osalt.com/> to see the availability, Open Office does every task that Microsoft Office does and is free.

All software can be purchased when at University.

