



Writtle  
University  
College

**Required Materials, Equipment and Reading List  
For  
LANDSCAPE AND GARDEN DESIGN COURSES  
(updated Sept 2020)**

Writtle University College  
Lordship Road, Chelmsford  
Essex CM1 3RR

Tel: +44 (0)1245 424200  
Fax: +44 (0)1245 420456  
Email: [info@writtle.ac.uk](mailto:info@writtle.ac.uk)  
[www.writtle.ac.uk](http://www.writtle.ac.uk)



## **DRAWING EQUIPMENT AND MATERIALS**

The following is a list of materials and equipment which is necessary to help you complete your course. Those items marked with an 'E' are essential.

**Do not buy too much before the beginning of the course.** It is better to start with a small balanced selection of equipment which can be added to with knowledge and experience. Bring any mixed media you already have, and your tutors will give you advice on these materials.

Students will be providing the paper and materials for their project work, which is available to buy in the Library or local shops.

### **Technical Drawing Equipment**

- Disposable Pen, Black 0.3mm
- Disposable Pen, Black 0.5mm
- Disposable Pen, Black 0.7mm
- Disposable Pen, Black 1mm
- E Drafting pencils 4H, 2H, HB, 2B, 4B
- E Compass set (large), comprising compass and extension bar
- E Scale Rule 300mm (Scales 1:10, 1:50, 1:100, 1:250, 1:500, 1:1250, 1:2500)
- E Steel Rule 30cm
- E Linex Circle Template
- E Set Square bevelled edge 45 deg. 320mm
- E Set Square bevelled edge 30 deg. 320mm
- Flexible curve 375 mm
- E Low tack drafting tape
- E A pocket sketch book/ design diary that may be taken everywhere to record quick sketches and features that will be developed through the course.
- E Layout pad A3 50gsm 160pp
- E Cutting mat A3
- Circular cutters 1-15cm diameter
- E Scalpel and Blades
- E Metal rule (for cutting against)
- E Human figures to scale (1:200, 1:100, 1:50)
- E An India rubber
- Drafting tape or masking tape
- An A1 portfolio for presenting and storing your drawings. These portfolios are available in PVC,
- Corrugated plastic and cardboard in a variety of sizes, dependent on your budget
- Adjustable plastic tubes for transporting your drawings
- A drawing board for home use
- E A padlock for the locker provided by the college to store your equipment.

### **Specialist Equipment**

#### **Camera**

Initially a basic digital model will be sufficient but at a later stage you may consider a model/type that will allow greater range of options and control (such as a digital SLR camera).

#### **Clothing**

Safety boots

Full waterproof clothing

Gloves for landscape maintenance and would be useful for the hot machines (hot wire cutter, hot wire strip heater and vacuum former)

High Vis jacket for visits and work on campus

## Computers

**The Design Studios are equipped with computers for students to access.** However, students may find it more convenient and efficient to have their own machine. Personal preference will determine whether you choose a PC or Mac, however the College is PC based and support for Mac is very limited. Ensure that the computer is sufficiently powerful to operate a range of graphic software simultaneously and to produce quality graphic/artwork.

### Personal Computer Specification

When purchasing a PC / laptop choosing the highest specification possible is best. A number of Software packages are used on the design courses and those software suppliers will be able to provide the latest specifications for their software products on their websites. We would recommend avoiding the minimum guidelines due to the continuing improvements and updates being made to the software that you will need to run and you will want your PC to last the duration of your course.

### IMPORTANT

Please be advised that prior to purchasing a computer you check it is compatible with the following software:

Autodesk AutoCAD 2018 – onward

[System requirements for AutoCAD 2018](#)

### Computer Software Tutorials

You will be introduced to and be expected to become familiar with a number of software packages and their applications. All these packages are available on the college's computer network, but it may be in your interest (but not essential) to acquire copies of their latest versions for personal computers. **Avoid purchasing software until you start your course as many packages are available free or with discounts to students.** College staff will be able to assist you on the best way of doing this. We recommend that you use online tutorials rather than books as introductions to the software. By searching the web you will be able to find tutorials for all of the software mentioned below.

### General Software used throughout the course includes

- Microsoft Windows 64-bit Professional operating system
- Latest version of Google Chrome, Microsoft Edge, Apple Safari, or Mozilla Firefox web browser

Adobe Creative cloud@ [www.adobe.com](http://www.adobe.com)

1. Photoshop – image manipulation
  2. Illustrator – image and text composition
  3. InDesign – page layout and publishing
  4. Premiere Pro - Video editing
  5. Adobe Reader, Adobe Acrobat Pro – desk top publishing
- Autodesk@ [www.autodesk.com](http://www.autodesk.com)
    1. AutoCAD 2020 onward – For producing plans and 3D visualisation
    2. Revit – Advanced 3D modelling
    3. 3D Map – Manipulating digital download map data
  - Sketchup, [www.sketchup.com](http://www.sketchup.com) – for conceptual 3D modelling
  - Microsoft Office, [www.microsoftstore.com](http://www.microsoftstore.com). Office 365 can be downloaded free of charge once students are enrolled.
  - 1. Word - Used for report writing and presentations
    2. PowerPoint – Used for presentation and publication
    3. Excel – Used for calculating survey data and costing

## Reading List

The following is a selective list of standard texts/books from module reading lists. Copies will be available for loan from the WUC library but students may wish to select two or three to purchase. We suggest you try to purchase second-hand copies.

### Drawing and Representation

Amoroso, N. (ed) (2012) *Representing Landscapes*. Oxford: Routledge

Cantrell, B. (2010) *Digital Drawing for Landscape Architecture: Contemporary Techniques and Tools for Digital Representation in Site Design*. John Wiley & Sons

Ching, F.D.K. and Juroszek, S. P. (1998) *Design Drawing*. New York: Van Nostrand

### Ecology

Goulson, D (2015) *A Buzz in the Meadow*. London: Vintage

### Plant sciences

Buczacki, S (1986) *Ground Rules for Gardeners: A practical guide to garden ecology*. London: Collins.

Dover, JW (2015) *Green Infrastructure: Incorporating Plants and Enhancing Biodiversity in Buildings and Urban Environments*. London: Routledge

Dunnett, N and Hitchmough, J (ed) (2008) *The Dynamic Landscape: Design, Ecology and Management of Naturalistic Urban Planting*. London: Taylor and Francis

Gale, R., Richardson, I. (2000) *Tree Recognition - A Pocket Manual*. Reading: Richardson's Botanical Identification.

Hansen, R. and Stahl, F. (1993) *Perennials and Their Garden Habitats*, trans. R. Ward (4th edition). Cambridge: Cambridge University Press.

Hitchmough, J. & Fieldhouse, K. (2004) *Plant User Handbook*. Oxford: Blackwell Publishing

Mooney, P (2020) *Planting Design: Connecting People and Place*. London: Routledge

Rainer, T and West, C (2015) *Planting in a Post-Wild World*. Portland: Oregon

### Introduction to Landscape Architecture and Garden Design

Ching, F. (2007) *Architecture, Form, Space and Order*. (2nd edition). New York: Van Nostrand Reinhold.

Dee, C (2001) *Form and Fabric in Landscape Architecture: A Visual Introduction*. London New York: Spon Press.

Dunn, N (2010) *Architectural Model making*. Laurence King.

Lawson, B (2005) *How Designers Think: The Design Process Demystified* 4th ed. Routledge

Mills, C. (2005) *Designing with Models. A studio guide to making and using architectural models*. New Jersey: John Wiley and Sons.

Robinson, N. (2011) *The Planting Design Handbook*. Farnham: Ashgate

Waterman, T. (2015) *The Fundamentals of Landscape Architecture*. London: ava publishing

### **Landscape & Garden Design history**

Boults, E & Sullivan, S (2010) *Illustrated History of Landscape Design*. John Wiley & Sons Jellicoe, G &

Jellicoe, S (2006) *The Landscape of Man*. London: Thames & Hudson

Lloyd, C (2014) *The Well- Tempered Garden*. London: W&N

Turner, T (2013) *British Gardens: History, philosophy and design*. London: Routledge

Van Zuylen, G. (1994) *The Garden: Visions of Paradise*. London: Thames and Hudson

Watkins, J., Wright, T.W. (2007) *The Management & Maintenance of Historic Parks, Gardens & Landscapes*. London: Francis Lincoln

### **Learning strategy**

Reinhold. Barnes, R. (2005) *Successful Study for Degrees*. (3rd edition). London, Routledge.

Cottrell, S. (2019) *The study skills handbook*. (5th edition). London: Red Globe Press.

Greetham, B. (2018) *How to write better essays*. (4th edition). Basingstoke: Palgrave

Macmillan.