

## MODULE DESCRIPTOR

<b>MODULE TITLE</b>	Plant Utilisation		
<b>MODULE CODE</b>	MR1212	<b>CREDIT VALUE</b>	20 Credits
<b>MODULE DELIVERY</b>	Semester or Year long		
<b>MODULE TUTORS</b>	Lara Hurley, David Stokes		
<b>DATE APPROVED</b>	April 2008	<b>VERSION NUMBER</b>	1
<b>DEPARTMENT</b>	School of Built & Natural Environment	<b>PARTNER INSTITUTION</b>	Myerscough College

### RELATIONSHIP WITH OTHER MODULES

<b>Co-requisites</b>	None	<b>Pre-requisites</b>	None	<b>Excluded Combinations</b>	None
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### MODULE AIMS

This module aims to develop knowledge of plant taxonomy and nomenclature to identify a wide range of plant material. The roles of a variety of plant types will be explored and students will be introduced to a range of nursery stock available. The module will specify plants appropriately for a range of natural ecosystems and planted landscapes. The module will also introduce students to a range of plant establishment and aftercare techniques.

### MODULE CONTENT

- 1 Plant taxonomy – divisions and classes of plants
- 2 Identification of a wide range of plant material and its applications
- 3 A selection of natural landscapes and ecological landscaping for brownfield sites
- 4 Nursery stock – quality, terminology and specifications.
- 5 Plant selection for a variety of natural landscapes, ecological landscaping for brownfield sites and landscape conditions.
- 6 Plant handling, planting and staking techniques.
- 7 Post-planting aftercare and maintenance.

### LEARNING OUTCOMES

**On successful completion of this module a student will be able to:**

1	Identify a wide range of plant material and its applications
2	Specify quality nursery stock
3	Select plants appropriate to a range of natural habitats and landscape uses
4	Discuss plant establishment techniques for a range of environments
5	Describe the aftercare and maintenance of a wide variety of plants.

## TEACHING AND LEARNING STRATEGY

The module will be delivered by a series of lectures and site visits along with regular plant identification tests.

For On-line delivery a number of self-tests are provided to assist students to monitor their progress and depth of understanding. Students are encouraged to participate in on-line discussion forums and tutorials.

## INDICATIVE CLASS CONTACT

5 hours per week over one semester or 2.5 hours per week over two semesters.

For on-line distance learning, module tutor time equivalent to 3 hours per week for one semester is allocated to support students. On-line students also have 24 hour access to a wide range of on-line learning materials and learning activities.

## INDICATIVE ASSESSMENT

This module will be assessed by frequent plant identification tests, by an end of module examination and by the production of a portfolio of researched material about four garden designers of their choice.

Number of Assignments	Assessment	Weighting %	Type/Duration/ Wordcount (indicative only)	Learning Outcomes being assessed
10 Plant Identification tests	Plant identifications	10%	Spotter tests Indicating plant type, location and use. Minimum of 100 plants	1
1	Assignment	40%	2000 to 2500 words Research and report on planting styles, establishment and maintenance	3, 4 and 5
1	Examination	50%	Two hours	All

## MODULE PASS REQUIREMENTS

For successful completion of the module, each individual element of assessment must be passed at 40%.

## BIBLIOGRAPHY AND LEARNING SUPPORT MATERIAL

- Adams, C.R. (1998) *Principles of horticulture*, 3rd ed. Butterworth-Heinemann.
- Bentham, G. & Hooker, J.D. *Genera Plantarum*, (3 Volumes) Germany: J Cramer.
- Brickell, C. (1996) *RHS A to Z Encyclopaedia of Garden Plants*, London: Dorling Kindersley.
- Brickell, C. (1996) *RHS Pruning and Training*, London: Dorling Kindersley.
- Clapham, A.R. Tutin, T. & Moore, D.M. (1987) *Flora of the British Isles*, 3<sup>rd</sup> Edition, Cambridge: University Press
- Clarke, G. (2007) *Success with Shade-loving Plants*, Guild of Master Craftsman Publishers.
- Dunnett, N. & Hitchmough, J. (Eds) (2008) *The dynamic landscape*, London: Taylor and Francis Group
- Dunnett, N. & Kingsbury, N. (2004) *Planting green roofs and living walls*, Portland, Oregon: Cambridge Timber Press.
- Harris, R.W. et al (2004) *Arboriculture: integrated management of landscape trees, shrubs, and vines*. 4th edition. Prentice Hall, Upper Saddle River, New Jersey.
- Hitchmough, J.D. (2002) *Plant User Specification Guide*, Oxford: Blackwell Science.
- Hitchmough, J. & Fieldhouse, K. (2004) *Plant user handbook: a guide to effective specifying*. Oxford: Blackwell Science.
- Johnsons of Whixley (2001) *Landscape tree and plant guide*.
- Kingsbury, Noel. (1996) *The ultimate planting guide*. Ward Lock
- McIndoe, A. (2006) *Design and planting*. Series: Hillier gardener's guides, David & Charles, Newton Abbot
- McIntyre, K. & Jakobsen, B. (2000) *Practical drainage for golf, sportsturf and horticulture*. Chelsea, MI: Ann Arbor Press
- McVicar, J. (2001) *Seeds: the ultimate guide to growing successfully from seed*, London: Kyle Cathie
- Phillips, R. & Rix, M. (1993) *Perennials*, Pan Books
- Ramsbury, (2006). *Hedges and hedgelaying : a guide to planting, management and conservation*. Publisher: Crowood
- Stern, W. (2005). *Horticulture: Plant Names Explained: Botanical Terms and their Meaning*, F and W Publishers Inc.
- Turgeon, A.J. (2002) *Turfgrass management*. 6th edition, Prentice Hall, Upper Saddle River, New Jersey
- Watson, B. (2006) *Trees: their use, management, cultivation and biology*, Ramsbury: Crowood
- Watson, G.W. & Himelick E.B. (1997) *Principles and practice of planting trees and shrubs*, International Society of Arboriculture.
- Whitcombe, Carl. E. (1991) *Establishment and maintenance of landscape plants. [Revised ed]*. Whitcombe

## **OTHER PUBLICATIONS**

### **JOURNALS**

Horticulture Week

Garden Design Journal

Landscape

Topos

## **ELECTRONIC INFORMATION SOURCES**

[www.oxalis.co.uk](http://www.oxalis.co.uk)

[www.e-garden.co.uk](http://www.e-garden.co.uk)

[www.juliandowle.co.uk](http://www.juliandowle.co.uk)

[www.plantfinder.co.uk](http://www.plantfinder.co.uk)

[http://www.lve.de/lve.dll/lve\\_en](http://www.lve.de/lve.dll/lve_en)