

**Code: 1413 Ornamental Horticulture****Degree:** 2<sup>nd</sup> cycle – Agriculture; Landscape Architecture**Stream:** Agriculture - Agricultural and Environmental Economics and Rural Development; Horticulture; Plant Protection**Curricular Year:** 1<sup>st</sup>**Semester Course:** 2<sup>nd</sup>**Credits:** 6 ECTS**Optional****Language:** Portuguese/English**Responsible:** António José Saraiva de Almeida Monteiro**Other lecturer(s):** -**Web Site:** <http://www.isa.utl.pt/home/node/3764>**1. Contact hours:****Lecture/Practicals 70 Others 14 Total 84****2. Objectives:**

To understand the main activities within ornamental horticulture and to study the relationship between major products and production methods. Learning how to produce and utilize trees, shrubs and herbaceous ornamentals. Learning production methods in a perspective of improving plant quality and system performance.

**3. Programme:**

1. Socio-economic importance of ornamental horticulture. Consumption and production trends in Portugal and in Europe. The role of ornamental plants and gardens in the developed societies.
2. Principles and production techniques of major protected cut-flowers: carnations, roses, gerberas, chrysanthemums and bulbs.
3. Plant propagation methods and their use in ornamental horticulture
4. Pot-plant production. Methods for plant quality evaluation.
5. Ecology and utilisation of major ornamentals: trees, shrubs and herbaceous plants
6. Post-harvest technology of pot-plants and cut-flowers.
7. Turf grass ecology, establishment and maintenance
8. Visits to nurseries and cut-flower growers

**4. Bibliography:****Main Bibliography**

Armitage, Allan M. - Ornamental Bedding Plants. CAB International, 1994

Armitage, Allan M. – Speciality Cut Flowers: The Production of Annuals, Perennials, Bulbs and Woody Plants for Fresh and Dried Cut Flowers. Portland, Timber Press, 1995

Brickell, C. (ed.) – The Royal Horticultural Society Encyclopedia of Gardening. London, Dorling Kindersley, 2002

Rees, A.R. - Ornamental Bulbs, Corms and Tubers. CAB International, 1992

**Other Bibliography**

Brickell C. &amp; D. Joyce. - The Royal Horticultural Society: Pruning and Training. London, Dorling Kindersley, 2003

Brown G. E. - The Pruning of Trees, Shrubs and Conifers. Portland, USA, Timber Press, 1995

Durr M. A. - Durr's Hardy Trees and Shrubs: An Illustrated Encyclopedia. Portland, USA, Timber Press, 1997

Larson, R.A. (ed.) - Introduction to Floriculture, New York, Academic Press, 1992

**5. Assessment:**

Five written essays along the semester. Optional written final examination.

**6. Estimated Workload:**

168	Hours
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**7. Last Update:**

14/7/2010
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