

Code: 1576 Fundamentals of Viticulture**Degree:** 2nd cycle – Viticulture and Oenology**Curricular Year:** 1st**Credits:** 6 ECTS**Language:** Portuguese/English**Responsible:** Manuel Armando Valeriano Madeira**Other lecturer(s):** Carlos Manuel Antunes Lopes and Pedro Clímaco (INRB-EVN)**Web Site:** <http://www.isa.utl.pt/home/node/3905>**1. Contact hours:****Lectures 42 Practicals/Laboratory 28 Others 14 Total 84****2. Objectives:**

To teach students the scientific and technological principles that underlie growing grapes and to promote the development of the basic skills needed to apply those principles on the grape and wine sector.

3. Programme:

1. History and evolution of Viticulture worldwide.
2. Biology of the grapevine.
3. Ecology of the grapevine.
4. Classification of grapevines and their interrelationships. Grapevine varieties and rootstocks.
5. Production of grapevine planting material.
6. Winter pruning.

4. Bibliography:**Main Bibliography**

- Coombe, B.G., Dry, P.R. (2004). Viticulture. Vol. 1 – Resources. Winetitles, Adelaide, Austrália.
- Huglin, P., Schneider, C. (1998). Biologie et Écologie de la Vigne. 2e édition, Lavoisier, Paris.
- Mullins, M., Bouquet, A., Williams, L. (1992). Biology of the grapevine. Cambridge Univ. Press (ed.).
- May, P. (2004) Flowering and fruitset in grapevines. Lythrum Press, Adelaide, South Australia.
- Reynier, A. (2004). Manual de Viticultura. 3^a ed., Publicações Europa-América, Mem-Martins, 424 pp.

Other Bibliography

- Lopes, C.M. (2009). A poda da videira. Textos de apoio às aulas, ISA, Lisboa, 16 pp.
- Lopes, C.M. (2009). Ecofisiologia da videira. Textos de apoio às aulas, ISA, Lisboa, 16 pp.
- Lopes, C.M., (2009). História e importância socio-económica da actividade vitivinícola. Textos de Apoio às aulas, ISA, Lisboa, 7 pp.
- Monteiro, A., Lopes, C.M. (2009). Morfologia e Anatomia da videira. Textos de apoio às aulas, ISA, Lisboa, 20 pp.

5. Assessment:

Evaluation by a final examination (2/3) and by a written report based on data collected during practical courses on the vineyard (1/3). Minimum of 75% of participation in practical courses.

6. Estimated Workload:

168	Hours
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7. Last Update:

15/7/2010
