

Code: 1759 Forestry I**Degree:** 1st cycle – Forestry and Natural Resources**Curricular Year:** 3rd**Credits:** 6 ECTS**Language:** Portuguese/English**Prerequisites:** Forest Biology**Responsible:** Maria Helena Reis de Noronha Ribeiro de Almeida**Other lecturer(s):** Manuel Armando Valeriano Madeira, Henrique Manuel Filipe Ribeiro, João Manuel Dias dos Santos Pereira, Ana Paula Soares Marques de Carvalho and Maria da Conceição Braulio de Brito Caldeira**Web Site:** <http://www.isa.utl.pt/home/node/3988>**Semester Course:** 1st**Compulsory****1. Contact hours:**

Lecture/Practicals 70 Others 14 Total 84

2. Objectives:

Considering that Silviculture is “the art and science of controlling the establishment, growth, composition, health of forests to meet society forest products and services needs, students should get knowledge in order to implement and to manage forest management programmes.

3. Programme:

Forestry activities used on the general management activities are studied on this course. Topics that are focussed are: Introduction to Forestry; Forest Environment and Plant Nutrition. Forest ecosystem regeneration. Forest reproductive material manipulation.

4. Bibliography:**Main Bibliography**

Alves, A.A. M. 1982. Técnicas de Produção Florestal. INIC. Lisboa
Fijimori, Takao. 2001. *Ecological and Silvicultural Strategies for Sustainable Forest Management*. Elsevier. Amsterdam
Fisher, R.F. & Binnley, D. 1999. Ecology and Management of Forest Soils (3rd Ed) John Wiley & Sons, New York (cap 9, 11, 15, 16)
Marschner H 1995 Mineral Nutrition of plants. Academic Press London

Other Bibliography

Hartmann, H., Kester, D., Davies Jr. F. & Geneve, R. 1997 Plant Propagation: Principles and Practices 6th. International Edition. London
Smith, David M., Bruce Larson, Matthew Kelly & P. Ashton 1997- The Practice of Silviculture. John Wiley & Sons. New York
Willan, R.L. 1991. Guia para la manipulación de semillas forestales – Estudio FAO – Montes 20/2, Roma
Varenes, A. 2002 – Produtividade dos Solos e Ambiente. Escolar Editora

5. Assessment:

Continuous evaluation consists of one test that covers all topics, weighting 70% of total classification, and practical work weighting 30%.

Those students which continuous evaluation is equal or superior to 10 do not need to perform **final examination**.

Final examination covers all program and includes theory and practical questions.

6. Estimated Workload:

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| 168 | Hours |
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7. Last Update:

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| 25/2/2011 |
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