

**Code: 1392 Wildlife Management****Degree:** 2<sup>nd</sup> cycle – Forestry and Natural Resources**Stream:** Forestry; Natural Resources Management; Arboriculture and Urban Forestry**Curricular Year:** 2<sup>nd</sup>**Semester Course:** 1<sup>st</sup>**Credits:** 6 ECTS**Compulsory** (Natural Resources Management)**Language:** Portuguese/English**Optional** (Forestry; Arboriculture and Urban Forestry)**Responsible:** António Manuel Dorotêa Fabião**Other lecturer(s):** Manuela Rodrigues Branco Simões**Web Site:** <http://www.isa.utl.pt/home/node/3833>**1. Contact hours:****Lecture/Practicals 70 Others 14 Total 84****2. Objectives:**

The students must acquire professional expertise for management of wildlife communities, both for hunting purposes and for conservation of habitats and species. Within that aim, they will be introduced to the scientific and technical foundations of silviculture addressed to the management of wildlife species and habitats.

**3. Programme:**

I – Ecology of population interactions: intra- and inter-specific competition and implications for wildlife management; life tables and survivorship curves; coexistence in competition.

II – Predation and parasitism: ecology of predator-prey and parasite-host relationships; herbivory; wildlife diseases; implications of predation for wildlife conservation and hunting management.

III – Wildlife and its habitat: implications of edge effects and habitat fragmentation in wildlife management; crops for wildlife; wildlife and intensive plantation forestry; evaluation of vegetation cover value for wildlife: habitat evaluation procedures (HEP) and habitat suitability indices (HSI).

IV - Wildlife conservation and exploitation: wildlife conservation management and hunting regulations; conflicts between game management and wildlife conservation; hunting management: sources of information, data bases and hunting management programs.

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

Bolen, E. G. & W. L. Robinson. 2003. *Wildlife Ecology and Management*. 5<sup>th</sup> edition. Prentice Hall. Englewood Cliffs (N. Jersey, EUA).

**Other Bibliography**

Hunter Jr., M. 1990. *Wildlife, Forests, and Forestry: Principles of Managing Forests for Biological Diversity*. Prentice Hall. Englewood Cliffs.

Smith, D. M., B. C. Larson, M. J. Kelty & P. M. S. Ashton. 1997. *The Practice of Silviculture: Applied Forest Ecology*. 9th. Edition. John Wiley & Sons. N. York.

**5. Assessment:**

Classification of application exercises and their oral presentations in classes, or written test for programme module whenever adequate or necessary for classification recover; recover of classification, if needed, in final written examination.

**6. Estimated Workload:**

168	Hours
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**7. Last Update:**

21/7/2010
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