

Code: 1397 Fisheries and Game Management**Degree:** 2nd cycle – Natural Resources Management and Conservation**Curricular Year:** 1st**Semester Course:** 2nd**Credits:** 6 ECTS**Compulsory****Language:** Portuguese/English**Responsible:** Pedro Raposo de Almeida**Other lecturer(s):** António Manuel Dorotêa Fabião and Maria Teresa Marques Ferreira da Cunha Cardoso**Web Site:** <http://www.isa.utl.pt/home/node/3874>**1. Contact hours:****Lectures 14 Praticals/Laboratory 24 Workfield 12 Others 1.5 Total 51.5****2. Objectives:**

At the end of the UC the students should have improved their knowledge:

- i) on the main Portuguese halieutic resources, the fishing techniques used to catch them and the impacts of fishing in the aquatic ecosystems;
- ii) on the Portuguese game species and hunting methods;
- iii) on the management of game and inland fisheries;
- iv) on the methods concerning the assessment and monitoring of fisheries. It is expected that students will develop their English skills in what concerns the study of game and fisheries management. Students will be encouraged to present the results of their work in the form of reports (oral and printed) and interact with the other students in debates and use regularly the University of Évora e-learning platform (Moodle).

3. Programme:

1. Principles of the management of game and inland fisheries. Regulation concerning game and inland fisheries. Legislation concerning coastal fisheries. Control of hunting activity and fisheries.
2. Main Portuguese halieutic resources. Fishing technology used in Portugal. Assessment and monitoring of halieutic resources. Impact of fisheries in the aquatic ecosystems. Fisheries management and mitigation measurements. Characterization of the agents and fishing instruments in inland fisheries. Restocking. Habitat manipulation.
3. Game species and hunting techniques. Bioecology, fenology and conservation status of game species. Problems related to the game management in agricultural zones, forestry and wetlands. Predator control. Management of habitats and hunted species. Management of migratory game species.

4. Bibliography:**Main Bibliography**

- Bolen, E. G. & W. L. Robinson. 2003. Wildlife Ecology and Management. 5th edition. Prentice Hall. Englewood Cliffs (N. Jersey, EUA).
- Elton, C. 2001. Animal Ecology, University Press of Chicago
- Cowx I.G. 1996. Stock assessment in inland waters. Fishing News Books. Blackwell, Oxford.
- Cowx I.G. 1998. Stocking and introduction of fish. Fishing News Books. Blackwell, Oxford.
- Cunningham S., T.Bostock (eds.) 2006. Successful Fisheries Management: Issues, case studies, perspectives. Eburon Publ.
- Hunter Jr., M. 1990. Wildlife, Forests, and Forestry: Principles of Managing Forests for Biological Diversity. Prentice Hall. Englewood Cliffs
- Hall, S.J. 1999. The effects of fishing on marine ecosystems and communities. Blackwell Science, Oxford. 274p.
- King, M. 1998. Fisheries biology, assessment and management. 4th ed., Fishing News Books, Oxford. 341p.
- Templeton, R. (ed.) 1998. Freshwater fisheries management. 2nd Edition. Fishing New Books, Oxford.
- Welcomme R.L. 2001. Inland Fisheries: Ecology and management. Fishing News Books, Blackwell, Oxford.

5. Assessment:

Theoretical classes and practical classes. A field trip to a hunting area and another field trip to a fishing area or a fisheries facility (fish market, fishing harbour).

Written exam (50%);

Practical classes: a report each (40%);

Field trip report (10%).

6. Estimated Workload:

162

Hours

7. Last Update:

9/8/2010
