

**Code: 1358 Ecology of Crop Systems****Degree:** 2<sup>nd</sup> cycle – Agriculture**Stream:** all**Curricular Year:** 1<sup>st</sup>**Semester Course:** 2<sup>nd</sup>**Credits:** 6 ECTS**Compulsory** (Agriculture and Animal Production)**Language:** Portuguese/English**Optional** (others)**Responsible:** Pedro Jorge Cravo Aguiar Pinto**Other lecturer(s):** -**Web Site:** <http://www.isa.utl.pt/home/node/3784>**1. Contact hours:****Lectures 28 Lecture/Practicals 42 Others 14 Total 84****2. Objectives:**

General concepts of systems analysis and basic resources for the functioning of agricultural systems.

**3. Programme:**

1. General concepts of systems analysis
2. Basic resources for the functioning of agricultural systems
3. The concept of farm enterprise
4. The genetic resources
5. The physical and chemical resources
6. Crop Ecophysiology
7. Farm management and planning
8. Main crops production

**4. Bibliography:****Main Bibliography**LOOMIS, R.S.; CONNOR, D.J. 1992. *Crop Ecology. Productivity and management in agricultural systems*. Cambridge University Press. Cambridge**Other Bibliography**Villalobos, F.J., Mateos, L., Orgaz, F., Fereres, E., 2002. *Fitotecnia. Bases y tecnologías de la producción agrícola*. Ediciones Mundi-Prensa. Madrid, 496p**5. Assessment:**

Final written exam

Practical home works

**6. Estimated Workload:**

168	Hours
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**7. Last Update:**

19/7/2010
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