

Code: 1638 Agriculture I**Degree:** 1st cycle - Agriculture**Curricular Year:** 3rd**Credits:** 6 ECTS**Semester Course:** 1st**Compulsory****Language:** Portuguese/English**Responsible:** Pedro Jorge Cravo Aguiar Pinto**Other lecturer(s):** -**Web Site:** <http://www.isa.utl.pt/home/node/4009>**1. Contact hours:****Lecture/Practicals 70 Others 14 Total 84****2. Objectives:**

- The concept of Agriculture.
- Agricultural systems characterization.
- Applying concepts from ecology, climatology, soil science and physiology to agricultural production
- Crop production techniques and crop operations
- Farm machinery characterization
- Identification of some extensive crops, forages and pasture species (Fall/winter crops)

3. Programme:

I - INTRODUCTION

II - AGRICULTURAL SYSTEMS

III - THE CROP AND ITS ENVIRONMENT

IV - CROP GROWTH AND DEVELOPMENT

V - AGRICULTURAL PRODUCTION TECHNIQUES IN EXTENSIVE CROPS, FORAGES AND PASTURES

VI - AGRICULTURE PLANNING: BIOPHYSICAL PLANNING

4. Bibliography:**Main Bibliography**

1998 – Ribeiro, O. – Portugal: o Mediterrânico e o Atlântico. Ed .Sá da Costa. Lisboa.

1998 – Díaz R. e outro – Agricultura Sostenible. Ed.Mundi-Prensa. Madrid.

1991 – Feio, M. – Clima e Agricultura. MAPA. Lisboa.

2002 – Villalobos e outros – Fitotecnía: Bases e Tecnologías da Produccion Agrícola. Ed. Mundi-Prensa. Madrid.

2002 – Terron, P. – Fitotecnía: Ingeniería de la Produccion Vegetal. Ed. Mundi-Prensa. Madrid.

5. Assessment:

- Written exam
- Critical analysis of a farm biophysical plan

6. Estimated Workload:

168	Hours
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7. Last Update:

8/7/2010
