

**Code: 1678 Economics****Degree:** 1<sup>st</sup> cycles – Agriculture; Food Science and Engineering; Environmental Engineering; Forestry and Natural Resources; Animal Production Engineering**Curricular Year:** 2<sup>nd</sup>/3<sup>rd</sup> (only Environmental Engineering)**Credits:** 6 ECTS**Semester Course:** 2<sup>nd</sup>  
**Compulsory****Language:** Portuguese/English**Prerequisites:** Introduction to Agriculture (Agriculture) / Introduction to Food Engineering (Food Science and Engineering) / Environment, Resources and Society (Environmental Engineering) / Introduction to Forest Science (Forestry and Natural Resources) / Morphology, Fitness and Animal Behaviour (Animal Production Engineering)**Responsible:** Raul da Fonseca Fernandes Jorge**Other lecturer(s):** Manuel Belo Moreira, Maria Filomena Ramos Duarte and Ana Maria Contente de Vinha Novais**Web Site:** <http://www.isa.utl.pt/home/node/3995>**1. Contact hours:****Lecture/Practicals 70 Others 14 Total 84****2. Objectives:**

To provide an understanding of the basic concepts of economics.

With these basic tools students will be ready to analyse the major economic issues facing agriculture, food, forestry and natural resources:

- Individual producers and consumers make economic decisions
- The organization and performance of the economy
- Impacts of market and macro policies

**3. Programme:**Economic scope, micro and macro economics: resource scarcity, alternative uses, opportunity cost and choice; micro versus macroeconomics; typical economic questions; resource, agriculture and food issues.Economics of demand: utility, consumer choice and demand function; determinants and elasticity of demand.Economics of supply: the producer decision and supply function, determinants and elasticity of supply.Markets and price determination: market supply and demand curves; market equilibrium in perfectly competitive markets; other market structures; international trade.Market policies: objectives, instruments and impacts of market policies in agriculture; introduction to CAP.Introduction to macroeconomics: macroeconomic goals, the circular flow of goods and payments; measures of Gross Domestic Product (GDP); price indexes, nominal and real GDP; GDP as a measure of national economic performance; equilibrium GDP, the role of public policies, multiplier effects.**4. Bibliography:****Main Bibliography**Paul Krugman e Robin Wells, *Introdução à Economia*, 3ª Reimpressão, Elsevier, Brasil, 2007**Other Bibliography**Seitz, W., Nelson, G., Halcrow, H. (2002) *Economics of Resources, Agriculture and Food*. Second edition., New York, McGraw-Hill Higher Education.**5. Assessment:**

The assessment of knowledge is based on two components:

1. the work done in classes solving exercises, and
2. a final exam involving the whole matter of discipline.

**6. Estimated Workload:**

168 Hours

**7. Last Update:**

9/3/2011