

Course Unit	Economy, society and bioethics	Field of study	Social and entrepreneurial sciences
Bachelor in	Biology and Biotechnology	School	School of Agriculture
Academic Year	2019/2020	Year of study	2
Type	Semestral	Semester	2
Level	1-2	ECTS credits	6.0
Code	9029-510-2203-00-19		
Workload (hours)	162	Contact hours	T - TP 60 PL - TC - S - E - OT 4 O -

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s) Fernando Augusto Pereira, Maria Isabel Barreiro Ribeiro, Sílvia Freitas Moreira Nobre

### Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:

1. Understand the main concepts of the economy, through some basic concepts and rules.
2. Get an overview of the economic issues at the enterprise level and explain the concepts associated with it.
3. Know the ethical theories and principles, the procedures of the ethical argument and the main ethical questions, . concerned the issues of nature and society
4. Produce supported ethical arguments (decisions) on professionals issues.
5. Do an initial approach to the Social Sciences.
6. Use the fundamental tools in the student's formation (namely the manipulation and use of statistical data and buiding of survey questionnaires and interviews conducting).
7. Reflect upon Labour Sociology.

### Prerequisites

Before the course unit the learner is expected to be able to:  
None

### Course contents

1. Economy : Fundamental principles of economics: Introduction to economic analysis; Theory of consumer; Theory of production; The market and the Marshallian Cross. Bioethics: Ethical Introduction; Professional ethics; Ethics and the animals. 3. Sociology: Global perspective of the Social Sciences; Methods and Techniques in Social Sciences about Sociology

### Course contents (extended version)

1. Fundamental principles of economics
  - Economics as a science, the object of the economy and the economical laws.
  - Descriptive economy, economical theory and economical politics.
2. The economic problem.
  - The resources scarcity and unlimited needs.
  - The economical basic problems basic.
  - The production alternatives and the total use of the resources.
  - The technological possibilities of society.
3. Theory of consumer: Utility and consumer decision
4. Producer theory: Firms and Productivity
5. The market and the Marshallian Cross: Demand, supply and the Equilibrium
6. Introduction to the ethics
  - Ethical questions.
  - Ethical principles.
  - Ethical theories.
7. Professional ethics: deontological theory.
8. Ethics and the animals: animals rights; abolition, reform, status quo.
9. Ethical theories applicables to the animals.
  - Perfeccionism, absolutism, contratualism, and kantism.
  - Utilitarism and the perspective of the rights.
  - Deep ecology and Ecofeminism.
10. The aim of the social sciences: the study of human societies.
  - Social sciences and social facts.
  - Main theoretical approaches in sociology.
  - Field of action of Sociology.
11. Sociology of Work
  - Work and economy.
  - Theories of work organization
  - Gender equality and social policies
  - Precarious work; unemployment.

### Recommended reading

1. Rosa, H. (2004). "Bioética para as Ciências Naturais". Conferências e Casos de Estudo, do FLA/NSF International Bioethics Institute.
2. Nabais, C. & Ferreira, R. (2010). Microeconomia: Lições e Exercícios. Lisboa: LIDEL
3. Neves, J. C. (2013). "Introdução à Economia. " (10ª ed). Lisboa: Editorial Verbo.
4. Giddens, Antony ( 2010). "Sociologia" ( 8ª Edição). Lisboa: Fundação Calouste Gulbenkian.
5. Nunes, A. S. (2001). "Questões Preliminares sobre as Ciências Sociais", Lisboa: Editorial Presença.

### Teaching and learning methods

The theoretical actual lessons are based on the exposition with the date-show and black board. The theoretical expositions will be complemented by the presentation and debate of brief cases, generally based in real situations. The practical actual lessons consist of the analysis and quarrel of practical cases, applications/problem solving and statutes that regulate the manipulation of animals.

### Assessment methods

1. Alternative 1 - (Regular, Student Worker) (Final)
  - Intermediate Written Test - 33%

**Assessment methods**

- Intermediate Written Test - 33%
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- 2. Alternative 2 - (Regular, Student Worker) (Final, Supplementary, Special)
- Final Written Exam - 100%

**Language of instruction**

Portuguese, with additional English support for foreign students.

**Electronic validation**

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07-11-2019	08-11-2019	08-11-2019	08-11-2019