Code: 1707 **Introduction to Food Engineering**
Degree: 1st cycle – Food Science and Engineering
Curricular Year: 1st **Semester Course: 2nd**
Credits: 6 ECTS **Compulsory**
Language: Portuguese/English
Responsible: Maria Helena Guimarães de Almeida
Other lecturer(s): -
Web Site: http://www.isa.utl.pt/home/node/4030

1. Contact hours:
Lecture/Praticals 70 **Others** 14 **Total** 84

2. Objectives:

The main objective is to introduce the students to food engineering and agri-food context. Namely:
1 - To perceive what it is food engineering and the related activities
2 - To analyze and to contact with several cases related with food engineering
3 - To improve skills that will be necessary for the course.

3. Programme:

Food and food engineering
1. What it is food engineering?
2. The food engineer in the first person
3. Food and foods
4. Food History
5. Food in modern society

From the farm to the consumer. Case Studies
1. Agriculture and food production
2. Food industry
3. Food quality and safety

Improvement of skills that will be necessary for the course. Applications
1. To organize, to write and to present bibliographic reviews and reports.
2. Inquiries into food habits. Data analysis

4. Bibliography:

Main Bibliography

Specific secondary data and practical exercises taking into account the course objectives and the programme contents

Other Bibliography

- Flandrin, J-L; Montanari M. (1998 e 2001), História da Alimentação, vol. I e II, Terramar, Lisboa .
-.INE (2007) - Portugal agrícola 1980-2006, In: http://ine-lnx04.ine.pt/ine/acess/pub_detalhe.jsp?boui_aux=7479564
- Silva, G. P. (2004), A fileira agroalimentar portuguesa, Dep. Prospectiva e Planeamento, Lisboa
- Madeira, A.C. & Abreu, M.M. (2004) - Comunicar em Ciência. Como Redigir e Apresentar Trabalhos Científicos, Lisboa, Escolar Editora, 155pp.

5. Assessment:

Practical exercises - 40%
Final Examination – 60%

6. Estimated Workload:	168	Hours
7. Last Update:	12/7/2010	