

Code: 1404 Integrated Quality Management**Degree:** 2nd cycle – Food Science and Engineering**Stream:** Food Quality and Safety**Curricular Year:** 1st**Semester Course:** 1st**Credits:** 6 ECTS**Optional****Language:** Portuguese/English**Responsible:** Margarida Gomes Moldão Martins**Other lecturer(s):** -**Web Site:** <http://www.isa.utl.pt/home/node/3870>**1. Contact hours:****Lecture/Practicals 70 Others 14 Total 84****2. Objectives:**

- Fundamentals of Quality, Environment and Safety.
- Integrated Quality Management in a business context.
- The different possible certifications.
- The requirements for implementation of Integrated Quality Management.

3. Programme:

- Quality, Environment and Safety - Process approach.
- Benefits and Risks of Integrated Management Systems.
- Control of Documents and Registration
- Quality – ISO 9000
- Environment - ISO 14 000
- Health and Safety at work - Standards OHSAB 18 000 and 4397:2001
- Management Systems Food Safety - NP EN ISO 22 000:2005
- Laboratory Accreditation - NP EN ISO / IEC 17 025:2005
- Certification of Companies - ISO 9001 and EN ISO 45 000 - 45 012
- Product Certification and / or Service

4. Bibliography:**Main Bibliography**

Fey, R.; Gogue, J. M.: 1983, *Princípios da Gestão da Qualidade*, Fundação Calouste Gulbenkian, Lisboa

Oliveira, O. J.: 2006, *Gestão da Qualidade – Tópicos Avançados*, Pioneira Thomson, São Paulo

Deming, W.E. (1982). *Quality, Productivity and Competitive Position*, Massachusetts Institute of Technology, Cambridge.

Juran, J.M. (1984). *Quality Control Handbook*, 5th Edition, Mc. Graw-Hill.

Ramos-Pires, A. (1993). *Qualidade: Sistemas de Gestão da Qualidade*, Edições Sílabo, Lisboa.
Normas aplicáveis

Other Bibliography

Araújo, M.: 1989, *Segurança Alimentar – Os Perigos para a Saúde através dos Alimentos*, Meribérica/Liber – Editores, Lda, Lisboa

Crosby, P. B. (1979). *Quality is free*, Mc. Graw-Hill

5. Assessment:

Written Assessment 70%

Group Work 30%

6. Estimated Workload:

168	Hours
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7. Last Update:

19/7/2010
