

Code: 1562 Postharvest Technology**Degree:** 2nd cycle – Tropical Agriculture and Sustainable Development**Curricular Year:** 1st**Semester Course:** 1st**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/3739>**1. Contact hours:****Lecture/Practicals 70 Others 14 Total 84****2. Objectives:**Upgrading of the candidate students to the 2nd Cycle (Master Degree) in the Tropical Agriculture and Sustainable Development Course**3. Programme:**

Food preservation techniques

Tropical Products Technology

Drying techniques

IPM in tropical agricultural products

Storage methods for durable commodities

Biological agents (Insects and Mites)

Biological agents (Rodent pests)

Detection of hidden infestations and loss assessment in stored products

Sampling of stored product insects

Fungi of durable and agricultural products

Control methods (I)

Control methods (II)

4. Bibliography:**Main Bibliography**

AMARO, P. (2003) - A protecção Integrada. ISAPress, 446 p.

RICHARD GORHAM, J., Ed (1991) - Ecology and management of food - industry pests. AOAC, USA.

SUBRAMANYAM, B. & HAGSTRUM, D.W. (1996) - Integrated management of insects in stored products. USA, 426 p.

ROMANO MANCINI, MARIA OTÍLIA CARVALHO, BLAINE TIMLICK, CORNEL ADLER (Eds). 2007. Contribuição para a Protecção do Arroz Armazenado-Manual/Contribution for Integrated Management of Stored Rice Pests-Handbook, IICT, Lisboa, 308p.

Other Bibliography

BUCKLE, A.P. & SMITH, R.H. (Ed.) (1996) - Rodent Pests and Their Control. Cambridge University Press, UK, 391 p.

HARRIS, K.L. & LINDBLAD, C. J. (1978) – Postharvest grain loss assessment methods. AACC, 193 p.

5. Assessment:

Evaluation and discussion of the individual thesis

Individual written examination

6. Estimated Workload:

168

Hours

7. Last Update:

10/3/2011