

Code: 1557 **Statistics, Computing and Modelling**
Degree: 2nd cycle – Tropical Agriculture and Sustainable Development
Curricular Year: 1st **Semester Course:** 1st
Credits: 6 ECTS **Compulsory**
Language: Portuguese/English
Responsible: Maria Manuela Costa Neves Figueiredo
Other lecturer(s): Bernardo Manuel Teles de Sousa Pacheco de Carvalho
Web Site: <http://www.isa.utl.pt/home/node/3734>

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

2. Objectives:

This course should be based on the education offered in ISA in the area of Statistics. The discipline should provide a complementary education with specific applications with data processing, modeling in management and econometrics, with applications to casework in a tropical environment, Seeks to prepare technicians for the best use of available information and data processing, experimental design and modeling systems.

3. Program:

This course follows the guidance offered in the discipline of Statistics offered in the Agricultural Engineering Master. This discipline should provide additional training and specific knowledge on descriptive statistics and econometrics, in systems modeling. The construction of examples with application in case studies in research based on tropical environment should be a permanent challenge.

4. Bibliography:

Main Bibliography

- 1 – Bibliography Referred to in the discipline of Statistics and Design (in Agricultural Engineering)
- 2 – Hoffmann, R and S. Vieira (1977). Regression Analysis. An Introduction to Econometrics. Publisher Hucitec., Editora da Universidade de S. Paul.
- 3 – Kmenta, J. Elements of Econometrics (1986). Macmillan Publishing Company. New York.

Other Bibliography

To be defined

5. Evaluation:

Through written tests and bibliographical revision work

- 6. Estimated Workload:**

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| 168 | Hours |
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- 7. Last Update:**

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| 16/7/2010 |
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