

Code: 1710 Discrete Mathematics

Degree: 2nd cycle – Mathematics Applied to Biological Sciences

Curricular Year: 1st/2nd

Semester Course: 2nd/1st

Credits: 3 ECTS

Optional

Language: Portuguese/English

Responsible: Jorge Orestes Lasbarrères Cerdeira

Other lecturer(s): -

Web Site: <http://www.isa.utl.pt/home/node/3894>

1. Contact hours:

Lecture/Practicals 35 Others 7 Total 42

2. Objectives:

Introduction to the main concepts and methods of discrete mathematics

3. Programme:

Counting and induction.

Graphs: trees, matchings and colouring

Computacional complexity

Cryptography

4. Bibliography:

Main Bibliography

Laszlo Lovasz, Jozsef Pelikan, Katalin L. Vesztergombi, Katalin L. Vesztergombi, Discret Mathematics, Springer-Verlag New York, 2003

5. Assessment:

Home works and final evaluation

6. Estimated Workload:

84	Hours
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7. Last Update:

15/7/2010
