

# **MATHEMATICS 1**

## **UG degrees in Economics and Management**

**2017/2018 - 2<sup>nd</sup> Semester**

### **Syllabus**

#### **Linear algebra**

1. Vectors.
2. Matrices.
3. Determinants.
4. Systems of linear equations.

#### **Calculus**

5. The real number system.
6. Topology.
7. Sequences and series.
8. One-variable functions.
9. Limits and continuity
10. Differentiation.
11. Optimisation.
12. Antidifferentiation.
13. Integration.