ID	2948
Curricular Unit	Mathematics I
Regent	Maria de Fátima Fabião Ribeiro
Learning Outcomes	Introduction to calculus in R and applications.
Syllabus	1. A few aspects of logic and set theory. 2. The real number system. 3. Infinite sequences. Series. 4. Functions of one variable: limits and continuity. 5. Differential calculus of real valued functions. 6. Single variable optimization. 7. Integral calculus.
Evaluation	Progressive learning of mathematical topics. Final exam.
Bibliography	Sydsaeter, Knut and Peter Hammond, Essential Mathematics for Economic Analysis, FT Prentice Hall, 2008.