

## **Business Mathematics**

**UFV CODE:** 4313 **ECTS:** 6.0

**TYPE OF COURSE:** T, 2C **HOURS:** 60

**INTERNATIONAL CODE:** MAT4313 **YEAR:** 2

**REQUIREMENTS:** LAW4411.

**OBJECTIVES:** Students will reach a sufficient level in calculus and linear algebra to apply them to business economy. They will learn the basic techniques for solving the problems related to this degree program.

**COURSE DESCRIPTION:** Understand that mathematics is a valuable tool for the managerial world and to express a variety of economic and financial situations in mathematical language. Interpret available mathematical information, identifying the portion that can help reach business objectives. Structure ideas and express them in a clear and accurate way.

**BIBLIOGRAPHY:** BARBOLLA, R. y SANZ, P.: Algebra Lineal y Teoría de Matrices.

Prentice Hall, 1998. LARSON, R. y HOSTETLER, R.: Cálculo y geometría analítica. Mc

Graw Hill. (3ª edición), 1989. SYDSAETER, K.L. y HAMMOND, P.J.: Matemáticas para el

Análisis Económico. Prentice Hall, 1996. BARBOLLA, R., CERDA, E. y SANZ, P.:

Optimización: Cuestiones, ejercicios y aplicaciones a la economía. Prentice May, 2000.

**METHODOLOGY:** Oral participation and teamwork. Displays and simulations.

**EVALUATION:** Semester exams related to the topics seen out of class (10% of the final

grade). Written assignments throughout the year (10% of the final grade). Daily attendance

and commitment (10% of the final grade). Theoretical/practical final exam (70% of the final grade).

**PROFESSOR:** Yolanda Cerezo López. **LANGUAGE:** Spanish.