

Academic Year: ( 2022 / 2023 )

Review date: 09-05-2022

Department assigned to the subject: Business Administration Department

Coordinating teacher: SAMARTIN SAENZ, MARGARITA

Type: Compulsory ECTS Credits : 3.0

Year : 2 Semester : 1

## OBJECTIVES

The objectives of this multidisciplinary subject are:

1. Provide the student with knowledge and understanding of the basic concepts and applications of management assets and liabilities of an insurer (ALM), that is, the optimal composition of the portfolio of investments of the company's reserves according to the structure and contractual insurance obligations.
2. Understand and assimilate internationally accepted standards of behavior regarding the performance and the scope of the actuarial profession.

SPECIFIC COMPETENCES. Acquire knowledge and understanding for:

1. Know the methods of matching cash flows of liabilities and assets of an insurer.
2. Select the most profitable investment portfolios that match the insurance liabilities.
3. Know the accepted and prohibited practices in the performance of the profession at international perspective and the ethical limitations of the professional practice.

TRANSVERSAL COMPETENCES:

1. Capacity for analysis and synthesis.
2. Problem solving.
3. Team work.
4. Critical reasoning.
5. Oral and written communication.

## DESCRIPTION OF CONTENTS: PROGRAMME

Global Portfolio Management in Insurance Companies:

Topic 1: Introduction. Solvency II and the management of the profitability-risk binomial in insurance companies.

Topic 2: Investment policies of the insurance industry: Eligible Assets for the coverage of technical provisions and for the Solvency Capital Requirements (SCR).

Topic 3: Accounting ALM (Asset Liability Management) techniques: Cash Flow Matching and Duration Immunization

Topic 4: Solvency II ALM (Asset Liability Management) techniques: Matching Adjustment and Volatility Adjustment.

Topic 5: Actuarial professional conduct. Professional ethics in the framework of corporate governance and Solvency II. (Prof. José Miguel Rodríguez Pardo)

## LEARNING ACTIVITIES AND METHODOLOGY

Theoretical classes with support material available on the University Web (guides / power points and exercises, basic bibliography and complementary material to deepen in those topics in which the students are most interested). The fundamental theoretical and practical concepts of the subject that the student must acquire will be developed, and will solve exercises by the teacher, encouraging the active participation of students in the resolution of the same (both individually and as a team).

## ASSESSMENT SYSTEM

100% of the final grade will be obtained through a final evaluation exam of the acquired knowledge. It will contain a part type test and another part practice.

Weight of the Final Examination: 100%

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Weight of the rest of the evaluation: 0%

<b>% end-of-term-examination:</b>	100
<b>% of continuous assessment (assignments, laboratory, practicals...):</b>	0