

Course Unit	-	Field of study	-
	-	School	School of Technology and Management
Academic Year	2022/2023	Year of study	1
Type	Semestral	Semester	1
Workload (hours)	54	Contact hours	T - TP - PL - TC - S - E - OT - O -
		Level	ECTS credits 2.0
		Code	5063-749-1102-00-22

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s) António Borges Fernandes

Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:

1. Understand the meaning of certain terms, such as: evaluation; investment; fixed and current asset, to distinguish the key aspects in the study of a agro-industrial projects.
2. Find the optimal capital structure to enable it to finance the agro-industrial investment projects.
3. Evaluate the various types of risk of an agro-industrial investment projects.
4. Develop a sensitivity analysis, or analysis of scenarios, using statistical methods for forecasting.
5. Prepare documents estimates, including estimating revenues and costs of exploration and extra exploration.

Prerequisites

Not applicable

Course contents

Framework and concepts relating to investment projects. Study of the feasibility of a project. Criteria and methods of evaluation. The price systems.

Course contents (extended version)

1. Framework and concepts relating to investment projects.
 - The concept of investment in their different perspectives;
 - The concept of capital and its relations with the investment;
 - The concept of project;
 - Investment projects in a business context;
 - Steps and cycle of a project.
2. Study of the feasibility of a project
 - Brief considerations;
 - Technical studies and forecast of costs;
 - Variants of a project;
 - Some errors and omissions in the development of some projects;
 - The critical point of sales.
3. Criteria and methods of evaluation.
 - Different types of cost and benefits of a project;
 - The determination of net working capital;
 - The cash flow of a project;
 - Criteria and measures of profitability of a project;
 - Sensitivity analysis and risk;
 - The investments plan;
 - The business plan;
 - The financing plan;
 - The objectives of a financing plan.
4. The price systems.
 - The system of constant prices;
 - The system of current prices.

Recommended reading

1. Cebola, A. (2017). *Projetos de Investimento de Pequenas e Médias Empresas – Elaboração e Análise* (2ª ed.). Edições Sílabo.
2. Matias, R. (2018). *Cálculo Financeiro - Teoria e Prática* (6ª ed.). Escolar Editora.
3. Soares, I., Couto, J., Moreira, J. & Pinho, C. (2015). *Decisões de Investimento: Análise financeira de projetos* (4ª ed.). Edições Sílabo.

Teaching and learning methods

Theoretic-practical classes where concrete situations are presented and discussed, case studies, allowing not only the exchange of experience but also the practice of decision-making in groups and to help consolidate the results of learning. Classes will be oriented in view that students should be able to prepare an investment project.

Assessment methods

- Test - (Regular, Student Worker) (Final, Supplementary, Special)
- Final Written Exam - 100%

Language of instruction

Portuguese

Electronic validation

António Borges Fernandes	José Carlos Rufino Amaro
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