



PERSONA CIENCIA EMPRESA
Universitat Ramon Llull

SUBJECT: COSTS AND BUSINESS ECONOMY

COURSE: Costs and business economy

MODULE: Management and production optimization and sustainability

STUDIES: MASTER IN CHEMICAL ENGINEERING

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GENERAL CHARACTERISTICS*

Kind: Basic formation, compulsory Optional

Master thesis, Internship

Duration: Biannual

Semester / s: 1

Number of ECTS credits: 3

Languages: English.

DESCRIPTION

BRIEF DESCRIPTION AND JUSTIFICATION

The course aims to introduce students in the techniques of definition and analysis of costs in a business and its implications in the final price of a product and the profitability of the company taking into account their different areas and globally. Additionally also related techniques and decision analysis and negotiation complementing cost techniques developed work skills.

More specifically the objectives are:

- Recognize the different types of costs of a company
- Understand how to apply different techniques and calculate the cost under different business scenarios
- Using techniques about cost analysis to take business decisions
- Understand and use the basic tools of negotiation in business situations with costs related decisions

POWERS

- CB6 - Knowledge and understanding that provide a basis or opportunity for originality in developing and / or applying ideas, often in a research context.
- CB8- That students are able to integrate knowledge and handle complexity, and formulate judgments based on information that was incomplete or limited, includes reflections on social and ethical responsibilities linked to the application of their knowledge and judgments
- CE7- Direct and organize enterprises and production systems and services, applying knowledge and skills of industrial organization, business strategy, planning and logistics, commercial and labor law, financial accounting and cost
- CE8- Lead and manage work organization and human resources using criteria of industrial safety, quality management, risk prevention, sustainability, and environmental management.
- CE11- Direct and perform verification and control of facilities, processes and products as well as certifications, audits, verification, testing and reporting.

* These characteristics should not be changed without the approval of the bodies responsible for top-level academic structures (subject, module and / or curriculum).

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PREVIOUS REQUIREMENTS*

Admission to the Master in Chemical Engineering from the Universitat Ramon Llull.

CONTENTS

1. Cost classification

- Differences between spending, cost, payment and investment
- Types of cost classification
- Costs recognition

2. Definition, analysis and calculation of cost systems

- Partial costs
- Costs per order
- Process costs
- Activity costs

3. Business costs analysis

- Mono and multi equilibrium point
- Analysis of cost overruns
- Quantitative and qualitative mixed systems in business analysis

4. Decision analysis costs

- Decision trees
- With perfect information
- With imperfect information
- Sensitivity analysis and decision changes

5. Introduction to negotiation

- What is negotiating?
- Stages of negotiation
- Critical information in a negotiation
- Nonverbal language and its application in negotiation

METHODOLOGY

TRAINING ACTIVITIES *

training activities	credits ECTS	competences
Lectures	0,72	EC7 EC8, EC11
Sessions solving exercises, problems and cases	0,61	CB6, CB8
Personal study and independent work	1,63	CB6, CB8
Evaluation activities	0.04	CB6, CB8, EC7,

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		EC8, EC11
TOTAL	3.00	

EXPLANATION OF TEACHING METHODS

This course uses the following teaching methodologies:

- Lectures (including demonstrations) by the teacher.
- Exercises / problem solving and presentations / discussion of cases by the teacher with the active participation of students.
- Personal work of the student to acquire the skills of matter.
- Written tests to assess skills acquired.

EVALUATION

ASSESSMENT METHODS *

Evaluation Methods	Weight	competences
Final exams	50%	CB6, CB8, EC7, EC8, EC11
Monitoring learning activities	10%	CB6, CB8
Papers and presentations	30%	EC7 EC8, EC11
Participation	10%	EC7 EC8, EC11

LEARNING OUTCOMES

The student will have acquired:

- Ability to integrate knowledge and face the complexity of formulating judgments from incomplete or limited information.
- Ability to develop and understand the systems most appropriate business costs in each case and make decisions based on these decisions and negotiate with stakeholders of the company.
- The basic and specific skills developed in the field

QUALIFICATION

The final exam of the subject (EF) has a value of 50% of the final grade.

Monitoring activities of learning (ASA) of this course consist of classroom activities on issues related to the agenda basically developed exercises and role-plays. His weight on the set of the final grade is 10%.

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It is done as a group solving a business case cost (TP) to be submitted at the end of course writing. The weight of it in the final grade is 30%.

Finally the active participation (P) of the student in class has a weight of 10% of the final grade.

In the event that a student does not pass the course with a score greater than or equal to 5, you must perform an additional examination. In that case the mark of the subject will coincide with the final note of further examination.

SKILLS ASSESSMENT

Skills assessment will be made as follows:

- CB6 - Average EF and ASA
- CB8 - Average EF and ASA
- Average CE7- EF, TP and P
- Average CE8- EF, TP and P
- Average CE11- EF, TP and P

BIBLIOGRAPHY (Recommended and accessible to the student.)

- Accounting and cost management. O.Amat, P. Soldevila. Profit Editorial, 2011
- Cost accounting. Fundamentals and solved exercises. A. Rocafort, V.Ferrer. Profit Editorial, 2010
- cost accounting resolved case studies. P. Alcoy, A. Ayuso, M. Barrachina and others. Profit Editorial, 2011
- Decision analysis for management judgment. P.Goodwin, G. Wright. John Wiley & Sons Ltd, 2009

HISTORIC DOCUMENT

PREVIOUS CHANGES

LAST REVISION

25/02/2019 Manuel Guerris Larruy