

## I. SUBJECT TECHNICAL SPECIFICATION

Subject Data	
Title	Managerial Accounting
Degree	Double Degree program in Law and Degree in Business Administration (E3) Degree in Business Administration (E2- E2 bil-E4) Degree in Business Administration (E2-E2 bil-E4) Double-Degree program in Business Administration and International Relations (E-6) Dual Degree program in Engineering for Industrial Technologies and Bachelor in Business Administration (GITI-ADE) Bachelor degree in Engineering in Telecommunications and Technologies (GITT-BA) Degree in Psychology and Degree in Business Administration and Management
Year	3º E3, 2º E2/ E2bil/E4, 3º E6, 4º GITT-BA (elective), 4º GITI-ADE y 4º Degree in Psychology and Degree in Business Administration and Management.
Type	Four-months duration (first four-months period)
ECTS Credits	6
Department	Finance Management
Area	Accounting
Teachers	Carmen Fullana Belda, Carmen Bada Olanan, Rafael Castellote, Cristina Grande Herrera, Asier Barbero Inchaurre, Juan Ignacio García Pérez de la Blanca, Mario Granado Guijarro

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## Objectives and contribution to professional qualification

The Managerial Accounting subject comprises, along with the Finance Accounting subject, which the student already knows from prior courses, the base or main body of the financial informational system at any company.

The main purpose of the course is to make the student able to fully digest the problem solving methodology specific from the internal Accounting. In order to achieve that, it will be necessary in one hand that the student deeply understands the basic problem posed by the value creation process in an enterprise and, in the other hand, to give the student the capability of handle with ease the diverse ways of practical resolution given by the different Cost Accounting Models.

At the end of the course, students should be able to internalize the mentioned models and to demonstrate the ownership of a professional approach to the business problems, at least in their first stages of development.

## II. ISSUES AND CONTENTS

### BLOCK 1: THE BASIC MODEL OF COSTS ACCUMULATION AND RESULTS OBTENTION IN MANAGERIAL ACCOUNTING

#### Subject 1: MANAGERIAL ACCOUNTING AND COSTS OBTENTION AND ANALYTICAL RESULTS BASIC MODEL

- Company's accounting policies.
- Definition, objectives and users of internal accounting
- The concept of cost
- General process of costs production: functions-based approach and the functional profit and loss account with complete costs: the basic template
- The company organization in functional areas: basic functions that compose the business activity
- Cost elements classification based in cost objects: the direct and indirect costs
- Tracing of direct costs
- Allocation of indirect costs into the functions: the allocation keys
- Manufacturing cost calculation
- Costs in the operating income: the manufacturing cost of sales, the distribution cost and the administration cost.
- Function-based profit and loss account

## Subject 2: THE STOCKS IN THE PRODUCTION PROCESS

- The stocks in the General Accounting Plan.
- Stocks control: the permanent inventory
- Stocks entry cost
- Stocks exit cost: FIFO/LIFO/WAC models
- Stock's costs or possession costs

## Subject 3: SECTIONS BASED ACCOUNTING

- The section concept
- Section types
- Sections activity measure: the work-unit
- Primary allocation to the sections of product indirect costs
- Secondary allocation of indirect costs: costs assignments
- Sections-based Accounting general framework: cost allocation foundations

## BLOCK 2: COST MODELS DEPLOYMENT

### Subject 4: ONGOING PRODUCTION VALUATION

- The concept of ongoing job
- Final stocks of ongoing products: equivalent production
- Initial stocks of ongoing products: weighted average costs methods. Cost allocation foundations

### Subject 5: PROCESSES COST SYSTEMS . THE MULTIPHASE PRODUCTION

- The multiphase production
- Multiphase processes: concept and semi-finished products management

#### **Subject 6: FULL COSTING MODEL LIMITATIONS: COSTS VARIABILITY**

- Contributions and limitations of the full costing model
- Costs variability
- Costs classification based on their variability
- Full costing model adjustments due to the activity variation: the rational allocation model

#### **Subject 7: THE VARIABLE COSTS MODEL (DIRECT COSTING) AND THE COST-VOLUME-BENEFIT ANALYSIS**

- Variable costs model foundations (direct-costing)
- The profit and loss account
- Advantages and disadvantages
- Break-even point
- Break-even point consequences: profitability analysis
- Break-even point adjustment to the real-life working environment: multiproduct businesses.
- Business decisions

### **BLOCK 3: ACTIVITIES AND BUDGETS**

#### **Subject 8: ACTIVITIES BASED COSTS. THE ABC MODEL**

- The full costing (sections-based) model and the work-unit opacity
- ABC model foundations
- The activity concept

#### **Subject 9: BUDGETS: STANDARD COSTS AND DEVIATIONS**

- The business planning system
- The Budget elaboration process
- Budgets types
- Budgeting and business Management based on ABC (ABB, ABM)
- Standard costs
- Deviation analysis

### III. BIBLIOGRAPHY AND RESOURCES

#### Basic Bibliography

##### Textbooks

**FULLANA BELDA, C; PAREDES ORTEGA, J. L. (2020) Cost Management Manual. Madrid. Universidad P. Comillas**

**CHARLES HORNGREN / SRIKANT M. DATAR / MADHAV V. RAJAN (2015) Cost Accounting. A Managerial Emphasis.**

##### Websites

<http://www.pearsonmylabandmastering.com/global/myaccountinglab/>

[www.aeca.es](http://www.aeca.es)

<http://aaahq.org/index.cfm>

<http://maaw.info/AAAMain.htm>

<http://www.observatorio-iberoamericano.org/>

##### Others resources

**Materials on subject website**

#### Complementary Bibliography

##### Textbook

**Barfield, Jesse T.; Raiborn, Cecily A.; Kinney, Michael R.(2002) Cost Accounting: Traditions and Innovations 5th ed. Thomson-South-Western Pub.**

**FULLANA BELDA, C.; PAREDES ORTEGA, J.L. (2017). Casos prácticos de Gestión de Costes. Madrid. Pirámide.** (ISBN: 978-84-368-3696-7). Con material complementario en [www.edicionespiramide.es](http://www.edicionespiramide.es)

**BUENDÍA CARRILLO, D.; GARCÍA MECA, E. –coordinadores- (2016). Casos Prácticos de Contabilidad de Gestión. Madrid. Pirámide.** (ISBN: 978-84-368-3599-1). Con material complementario en [www.edicionespiramide.es](http://www.edicionespiramide.es).

#### IV. EVALUATION

The evaluations will be done in person.

			%
<b>Assessments during the course. Excel Case 1</b> (15% of the final grade) and <b>Excel Case 2</b> (15% of the final grade. The latter will be conducted during the final weeks of the course).	The main focus will be on understanding and analyzing the value chain of the case, ensuring that the applied approach appropriately reflects the business structure and its key processes. It is essential that calculations are correct, accurate, and clearly justified, demonstrating mastery of accounting techniques and the ability to coherently interpret the results. Data presentation must be clear and well-organized to facilitate the interpretation of findings. Additionally, appropriate use of Excel formulas and tools to optimize the analysis will be valued.		30%
Evaluation of individual work	This criterion aims to assess the development of individual work carried out by the student, as well as their ability to critically review and improve their own performance. The level of engagement, the quality of the materials produced, and the achievement of the established		10 %

	objectives will be taken into account.		
Active student participation in class	<p>This criterion is intended to assess the student's active and continuous participation in in-person activities, as well as their engagement in the learning process.</p> <p>Consideration will be given to the willingness to contribute constructively in class, regular attendance, completion of the tasks proposed during the sessions, and commitment to the development of the course content.</p>		10 %
Final Exam	Multiple choice exam of 24 questions		50 % It is necessary to obtain a minimum grade of 4 so that an average grade is made with the rest of the grades obtained throughout the course. If not, the final grade for the course will be exclusively that obtained in the final exam.

Assessment tests will be conducted exclusively in person.

• **MODE 1: CRITERIA FOR STUDENTS FOLLOWING CONTINUOUS EVALUATION:**

50% final exam, 30% tests during the course (Excel 1 and Excel 2, each worth 15%), 10% individual work (self-correction of Excel 1 and any other task the instructor decides to assess during the course), and 10% active student participation in class.

If a student is unable to complete one of the assessment tasks during the course ("tests during the course," worth 30% of the final grade) due to a duly justified medical reason, the evaluation algorithm will be adjusted. If the missed task is Excel 1, greater weight will be given to the final exam. However, if the missed task is the comprehensive Excel 2 case during the final week of the course ("Comprehensive Excel Case in the Final Week," worth 15% of

the final grade), the student will be excluded from the continuous assessment system and will take the final exam under MODALITY 2, described in the next section.

Under no circumstances will continuous assessment tests be rescheduled outside the official date assigned to each group. Failure to provide proper medical documentation justifying the absence (medical certificate) will result in a score of zero for the missed test.

**ONLY MEDICAL JUSTIFICATIONS FOR UNFORESEEN HEALTH ISSUES WILL BE ACCEPTED.**

**MODE 2: CRITERIA FOR STUDENTS THAT DO NOT FOLLOW THE CONTINUOUS EVALUATION<sup>1</sup>. STUDENTS UNDER THIS SCENARIO WILL HAVE ONLY ONE EXAM CONSISTING ON A PRACTICAL EXERCISE AND A TEST.**

This unique test counts for the total of the semester's grade (grades on previous tests, quizzes and exams are erased from the final grade).

In order to pass this exam, the student need to get a minimum score of 4 out of 10 possible points in the exercise. If the student does not get the minimal grade in the exercise then:

The part of the final exam related to the exercise is considered totally failed.

The class is considered failed regardless the grades from the continuous evaluation.

#### **USE OF CHATGPT OR ANOTHER IAG**

- The use of AI to create entire assignments or substantial parts of them, without citing the source or the tool, or without explicit permission stated in the assignment instructions, will be considered plagiarism and will be regulated in accordance with the University's General Regulations.
- The improper use of ChatGPT or any other generative AI will be considered a serious offense, in accordance with the General Regulations of the University, Article 168.2.e: "Engaging in actions aimed at falsifying or defrauding academic performance evaluation systems."

The consequences of this may include "temporary expulsion of up to three months or prohibition from taking exams in the next exam session following the imposition of the sanction, in one or several subjects in which the student is enrolled, [...] in addition to

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<sup>1</sup> Students that are not in continuous evaluation are:

- STUDENTS WITH SCHOLAR DISPENSE FOR THE NORMAL CALL IN MAY. (students repeating course, students from Comillas in an Exchange program that fail to pass the course in the foreign university)
- STUDENTS OF THE NORMAL CALL THAT LOST THE CONTINUOUS EVALUATION (with a justified medical reason)
- And STUDENTS THAT WILL SIT ON THE NORMALL CALL IN JUNE.

receiving a failing grade (0) in the corresponding subject, [...] [and] the prohibition from taking the exam for that subject in the next session.”

- Specifically, in this course, the instructor may authorize the use of generative AI (such as ChatGPT) for certain tasks. In such cases, the student is required to:
- Clearly and explicitly indicate how generative AI (ChatGPT) was used. Any content created with generative AI must be labeled as such. Any content that has been adapted using AI must also be clearly labeled, just as sources and authors are cited.
- Include as supplementary material (annexes) the full prompt (questions and answers) of their conversation with the AI (ChatGPT) used to generate the task.
- Failure to comply with these requirements will be considered improper use of generative AI, with the consequences outlined above.

**IN SUMMARY:** “Using AI to create entire assignments or significant parts of them, without citing the source or tool used, or without explicit authorization in the assignment instructions, will be considered plagiarism and will be dealt with in accordance with the University's General Regulations.”

- **CLASS ATTENDANCE:**

According to the General Regulations of Universidad Pontificia Comillas (Article 6), students are reminded that attendance at in-person classes and academic activities is mandatory. Missing more than one-third of the scheduled in-person hours of the course results in the loss of the right to sit for the regular exam session. Furthermore, students may also lose the right to participate in both regular and resit exam sessions if they do not fulfill the learning activities described in this course guide, as approved by the Department Council (G.R. 93.7).