



UNIVERSIDADE LUSÍADA
LISBOA

Course Unit Program
Project Economics

Academic Year 2023/2024

1. Organic Unit

Faculty of Architecture and Arts

2. Course

Architecture

3. Cycle

2nd

4. Course Unit

Project Economics (01345)

5. Scientific Area

6. Curricular Year

4th

7. Type of Curricular Unit / Semester

2nd Semester



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8. Class type and workload (work time)

Theoretical classes: 30,00
Practical classes:
Theoretical-Practical Classes
Tutorial Guidance:

9. ECTS Credits

2,00

10. Scientific Area Coordinator

Prof^a Doutora Arq^{ta} MARIA DE JESUS MENDES CARVALHO

11. Regent

Prof. Doutor Arq. RICARDO JOSE DO CANTO MONIZ ZUQUETE

12. Assistants

13. Teaching Language

Portuguese

14. General Objectives

The conceptualisation and formalisation of projects resulting in their materialisation and execution at the Construction Site has undergone considerable changes in the last decade, requiring better Coordination, Leadership and Planning of projects. Project control should be exercised not only in large-scale projects of remarkable technological complexity, but also in the so-called "anonymous" project, often without any plastic expression.

15. Specific Objectives

Disclose to the student a set of "tools" of Project Coordination, which combined with the creative aspect of the design of the project, can ensure a control on the quality of execution, the deadlines (Planning) and the budget required by the client. The architect should seek to ensure the general coordination of the project in all its phases of execution as well as communicating the project philosophy to the contractor.

16. Skills to be acquired

Project Coordination should always be understood as a guarantee of the Quality of the Development to be built, especially by seeking a balance between formal and conceptual aspects, the interests of the client and the demands of the market in which the architect will intervene.



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17. Teaching Methodology

The learning methodology will be strongly based on the explanation and presentation of concrete situations of projects and works (power-point and documents of the project practice), bringing together the globality of the objectives expected by the client, to the defence of the concepts defined by the architect at the beginning of the project.

18. Course Unit Program

1. Introduction to the study of Project Economics
 - 1.1 Current overview of the sectors of Project and Construction;
 - 1.2 Socio-economic analysis of a Project
 - 1.3. typologies of Projects designed to fail.
2. The Coordination of a Project
 - 2.1. The architect's role in leading a project;
 - 2.2. The process and the cycle of projects;
 - 2.3. the usual documentation in projects;
 - 2.3.1. written parts and drawings;
 - 2.3.2. project specifications (general and specific conditions);
 - 2.3.3. measurements and budgets of the project. architecture.
 - 2.4. The relationship between designers and clients;
 - 2.5. The coordination of the architectural project with the specialties projects.
 - 2.6 The Project implementation (control of Deadlines, Costs and Quality).
 - 2.6.1 ISO Standards (Quality Control Systems -Manual and Quality Plan);
 - 2.6.2 Planning maps of the project phases.
3. Work site
 - 3.1 Relation of the Project to the adjudication of the Work.
 - 3.2 Tenders and Permit Schemes;
 - 3.3 Organisation chart of the parties involved in the project/works;
 - 3.4 Safety and Health Plan.
4. The sustainable development of projects.
5. The relationship of architectural projects with the real estate market and the development of the city.

19. Assessment Methods

Central aspects: assiduity, oral intervention for the enrichment of the lesson, quality in the approach of the proposed questions, methodological creativity demonstrated in the reasoning of the communication of the project to the work and mastery of programmatic content. The assessment will include two written tests.

20. Didactic Resources

Access to the Internet.
Specialised bibliography.
Consultation of ongoing projects.
Evaluation of case studies.



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21. Sustainability Objectives

Ensure equal access to quality technical, professional and cultural education.

Substantially increase the number of young people and adults with relevant qualifications, including technical and professional skills, for employment, decent work and entrepreneurship.

Ensure equal opportunities in university education, including for people in vulnerable situations.

Promote the dematerialisation of the teaching/learning process in a gradual manner.

22. Keywords

Project Coordination and Control

Communication of the Project to the Work

Project Sustainability



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23. Main Bibliography

Author(s): Ostime Nigel
Title: Architect's Handbook of Practice Management
Edition: 9th Year: 2013
Local: London
Publisher: R.I.B.A. -

Author(s): Halliday, Sandy
Title: Sustainable Construcion
Edition: 3th Year: 2019
Local: London,Uk
Publisher: Routledge

Author(s): Emmitt, Stephen
Title: Manager Interdisciplinary Projects
Edition: 3th Year: 2010
Local: London, U.K.
Publisher: Taylor & Francis ISBN 13: 9780415481700

24. Complementary Bibliography

Author(s): COELHO, Maria
Title: Fiscalização e acompanhamento de obra
Edition: 3ª Year: 2014
Local: Lisboa
Publisher: Rei dos Livros

Author(s): PINHEIRO, António Cipriano
Title: Avaliação do património
Edition: 3.ª Year: 2014
Local: Lisboa
Publisher: Silabo



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Ficha técnica MIP / MIP Datasheet	
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Autor / Author	Profª Doutora Arqtª MARIA DE JESUS MENDES CARVALHO
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Colaborador(es) / Colaborator(s)	-
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