UNIVERSIDADE LUSÍADA
LISBOA

Course Unit Program
Physical Geography

Academic Year 2024/2025

## 1. Organic Unit

Faculty of Architecture and Arts

## 2. Course

Architecture

## 3. Cycle

1st

## 4. Course Unit

Physical Geography (01332)

## 5. Scientific Area

## 6. Curricular Year

3rd

## 7. Type of Curricular Unit / Semester

1st Semester



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## 8. Class type and workload (work time)

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

## 9. ECTS Credits

2,00

## 10. Scientific Area Coordinator

Prof. Doutor Arq. MÁRIO JOÃO ALVES CHAVES

## 11. Regent

## 12. Assistants

## 13. Teaching Language

Portuguese

## 14. General Objectives

The discipline of Integrated Physical Geography, in the scientific area of Social Sciences and Humanities, aims to integrate knowledge of the various dimensions of geography, playing a vital role in the definition of the World; It aims to understand the vectors that contribute and contribute to social, economic and cultural progress, which are sustainable and adaptable to the needs of societies and citizens, in the consolidation of communities but also in the understanding of evolving situations

## 15. Specific Objectives

Architecture, as a discipline of the world, is deeply interconnected with various dimensions of geography, physical, urban, social, semi-rural and economic. These relationships are essential for the creation of built environments that respond adequately to the needs and the artificial context, in which physical geography involves the study of the environment and architecture understands these factors as crucial to optimize the dynamics between the built and the natural, the social, the economic,

## 16. Skills to be acquired



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Architects must integrate the various skills of the various valences of geography, in order to create projects that meet the programmatic needs of functional and aesthetic needs and requirements, but promote and know how to take advantage of sustainability, economic development, social inclusion, the valorization of society as a whole, understanding the values of urban culture, semi-rural and rural, work, leisure, tourism and urban, labor and personal mobility.

## 17. Teaching Methodology

The learning of the components of geography to architecture students requires an approach that demonstrates the relevance and application of the vectors that contribute to the creation of environments and action and interaction of citizens, with reflection on the integrated circuit of interdisciplinarity of the environment. in an interactive and integrative GEO assessment in the impactful action of architecture on the environment

## 18. Course Unit Program

Understanding in Geo Physics, climate and meteorology, topography and geomorphology, hydrography, ecosystems and vegetation, in Geo Urban, planning, infrastructures and services, density and land use, the dynamics of public spaces, in Geo Social, social dynamics, culture and identity, modes of community participation, in Geo Economic, development and economic sustainability, resource planning and financial accessibility, in the semi-rural Geo, the local identity and sustainability

## 19. Assessment Methods

Rules for the assessment of knowledge in regime A of the remaining curricular units with IFF less than 8 - failure, with access to a written and oral final exam in the 2nd season, under the terms of regulations - IFF between 8 and 9 access to a final written exam and IFF equal to or greater than 10 - exemption, provided that the classification of the frequency test is not less than 8. The final written exam higher than 10 leads to approval. There are 2 moments of written evaluation and a practic

## 20. Didactic Resources

Architecture students should be able to develop a practical understanding of how geography influences acts of urbanism and architecture, integrating examples that contribute to the politics of collective happiness value decisions through context analysis, research, collaborative work, comparative studies, in the triangulation of sustainable, socially inclusive, economically viable and architecturally unique environments

## 21. Sustainability Objectives

sustainability, will result in projects that not only meet the immediate needs of cities and societies, that anticipate a more integrative, sustainable and equitable future, involving sustainable and equitable, careful and holistic planning, that considers the environment and the economy, ensuring that urban solutions are resilient, efficient and inclusive, promoting social cohesion, recycling and preserving natural resources.

## 22. Keywords



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transformation
Recognitions
aggregation
sustainability
participation

## 23. Main Bibliography

| | | | |
|---|---|---|---|
| Author(s): | DIETER PRINZ | | |
| Title: | URBANISMO I II - CONFIGURAÇÁO URBANO | | |
| Edition: | 2 LIVROS | Year: | 1980 |
| Local: | LISBOA | | |
| Publisher: | EDITORIAL PRESENÇA | | |

| | | | |
|---|---|---|---|
| Author(s): | JOSEP MARIA MONTANER + ZAIDA MUXI | | |
| Title: | ARQUITECTURA Y POLITICA; ENSAYOS PARA MUNDOS ALTERNATIVOS | | |
| Edition: | LIVRO | Year: | 2011 |
| Local: | BARCELONA | | |
| Publisher: | GUSTAVO GILLI | | |

| | | | |
|---|---|---|---|
| Author(s): | MANUELA RAPOSO MAGALHAES | | |
| Title: | A ARQUITETURA PAISAGISTA - MORFOLOGIA E COMPLEXIDADE | | |
| Edition: | LIVRO | Year: | 2001 |
| Local: | LISBOA | | |
| Publisher: | EDITORIAL ESTAMPA, LDA | | |

## 24. Complementary Bibliography

| | | | |
|---|---|---|---|
| Author(s): | GRAÇA DIAS + EGAS VIEIRA | | |
| Title: | CIDADES CITIES | | |
| Edition: | LIVRO | Year: | 2006 |
| Local: | LISBOA | | |
| Publisher: | CIVILIZAÇÃO EDITORA | | |

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|---|---|---|---|
| Author(s): | ALAIN DE BOTTON | | |
| Title: | UMA SEMANA NO AEROPORTO | | |
| Edition: | LIVRO | Year: | 2011 |
| Local: | LISBOA | | |
| Publisher: | LEYA + DOM QUIXOTE | | |



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| Ficha técnica MIP / MIP Datasheet | |
|---|---|
| Título / Title | Course Unit Program 'GEOGRAFIA FÍSICA': Academic Year 2024/2025 |
| Autor / Author | Prof. Doutor Arq. MÁRIO JOÃO ALVES CHAVES |
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| Descritores / Descriptors | - |
| Colaborador(es) / Colaborator(s) | - |
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