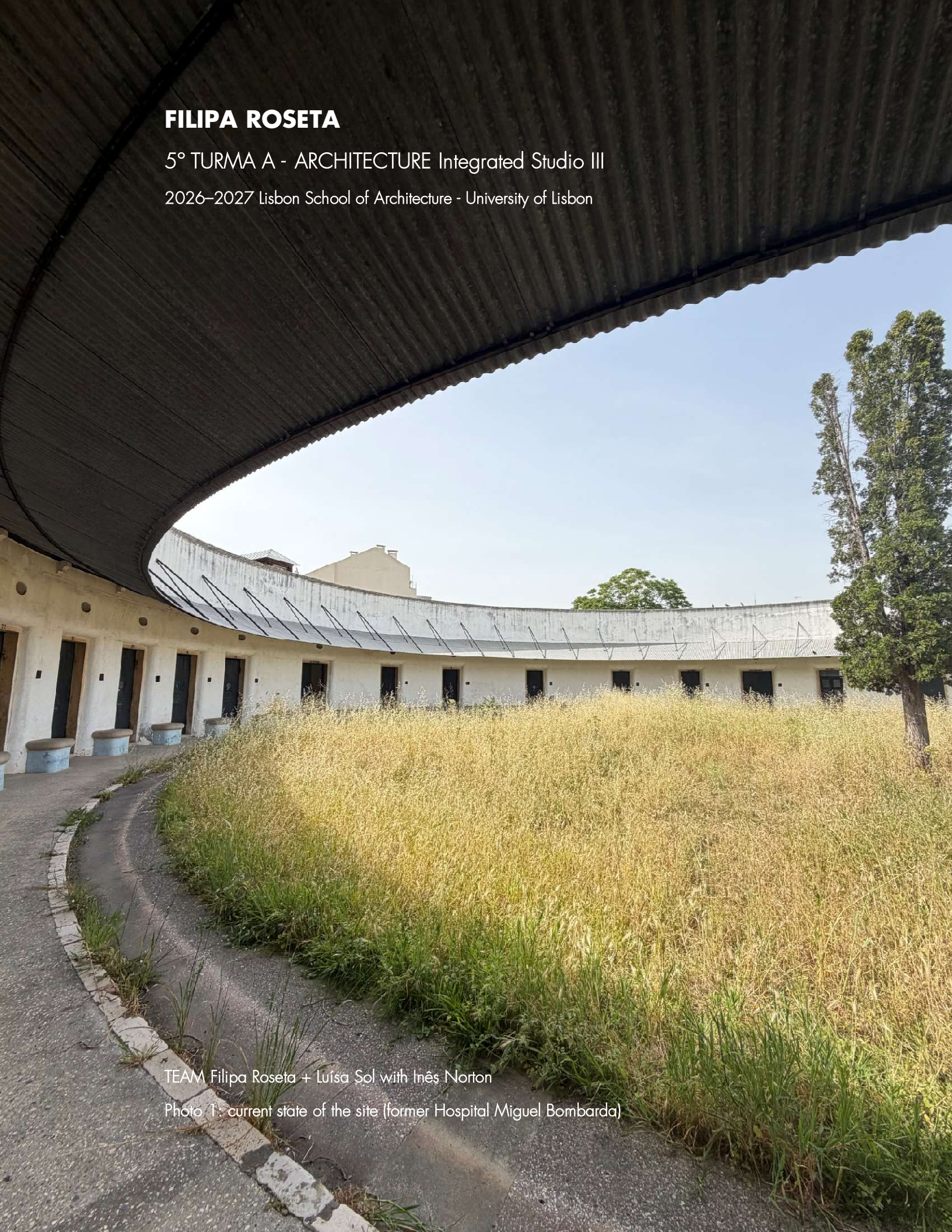


FILIPA ROSETA

5º TURMA A - ARCHITECTURE Integrated Studio III

2026–2027 Lisbon School of Architecture - University of Lisbon



TEAM Filipa Roseta + Luísa Sol with Inês Norton

Photo 1: current state of the site (former Hospital Miguel Bombarda)

PROJECT BRIEF

PROGRAM

a Cooperative Housing building for 100 residents (approx. 4,500 m²).

FOR WHO?

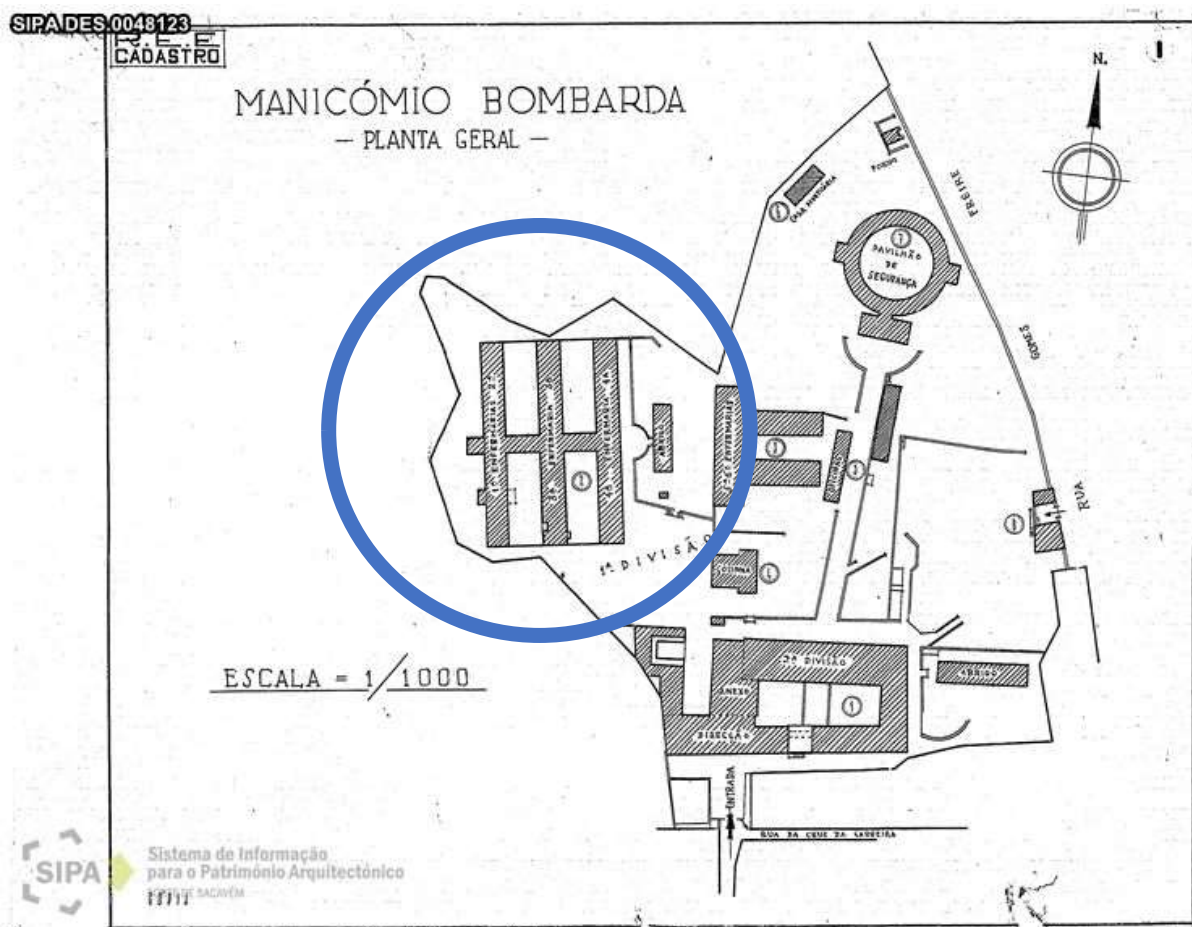
- + 50 local senior citizens (65+) living alone, supported by an ageing-in-place urban approach.
- + 50 displaced university students in need of affordable student housing in Lisbon.

SITE

Grounds of the former Hospital Miguel Bombarda, around the area of the *Enfermarias*, which can be disassembled (totally or partially).

Originally built in the 18th century for the Congregation of the Mission of Priests São Vicente de Paulo, the complex was converted into a psychiatric hospital in 1848, featuring Europe's pioneering therapeutic baths, inaugurated in 1853.

Vacant since its closure in 2011, this publicly owned national asset in the heart of Lisbon has remained unused for over 15 years (see photos 1+2).



GENERAL THEME

Lisbon, Housing and Habitat

SPECIFIC THEME

Intergenerational Cooperative Housing + Nature-Based Solutions for a Sustainable Habitat

ARCHITECTURAL DESIGN CHALLENGE

Lisbon faces a pressing housing crisis driven by a widening gap between rising costs of housing and median household income. This studio explores how to activate vacant public land through intergenerational cooperative housing grounded in Nature-based Solutions (NbS).

ARCHITECTURAL DESIGN AND RESEARCH

Studio work aligns directly with the ongoing CIAUD research project

"NbS Architecture: What are Nature-Based Solutions for Architecture? Learning from Case Studies." PhD researchers working on NbS Architecture will actively participate through guest critiques and research crit sessions.

Projects developed during this 1st Semester unit may serve as the foundation for the 2nd Semester Master's Final Thesis/Design Project.

LANGUAGE

Lectures and collective sessions will be held in English. Students may present their studio work and submit written documentation in English, Portuguese, or bilingually.

AI POLICY + USAGE STATEMENT

AI models may be used strictly for grammar correction, source research and selected visualizations, but not for generative design or text creation. Students are required to include a statement addressing their use of AI in all submitted work.

TASKS + PRINCIPLES

The semester is organized across 3 Tasks evaluated through 6 Architectural Design Principles.

TASK 1 - PLACE

Understanding Planet and People

Reference Scale: 1:500 (Group Work)

Milestone: 1st Interim Assessment - 22 October 2026

(15% of final grade)

Principle 1: Architecture is designed with all elements of Nature, not against them.

Focus: Topography and Water; local Climate, Vegetation, and Biodiversity; surrounding Landscape and Urban morphology.

Objective: Translate site data into a clear geometric strategy that promotes Nature-based Solutions

Reference Projects

Topography and Water: Igreja do Sagrado Coração de Jesus (Nuno Teotónio Pereira + Nuno Portas); Piscinas de Marés, Leça da Palmeira (Álvaro Siza Vieira); Museu do Côa (Tiago Pimentel + Camilo Rebelo).

Climate and Biodiversity: Gando Primary School (Francis Kéré); Water Garden Tochigi (Junya Ishigami); The High Line (Diller Scofidio + Renfro).

Landscape and Urban Design: Vaux-le-Vicomte (André Le Nôtre); Plano das Avenidas Novas (Ressano Garcia); Plano Verde de Lisboa (Gonçalo Ribeiro Telles).

Principle 2: Architecture is designed with the People, not against them.

Focus: Inhabitant profiles, everyday needs, and community aspirations; tangible and intangible site memory; physical and digital connectivity networks.

Objective: Establish authentic urban empathy and collective identity across generations.

Reference Projects

People: SAAL operations (Lisbon); Incremental Housing (Elemental / Alejandro Aravena); Programs for the city of Lisbon - Housing, Education, Health (SRU)

Memory: Ningbo Historic Museum (Amateur Architecture Studio / Wang Shu + Lu Wenyu); World Trade Center Master Plan / Liberty Tower competition entries; Passeio Público to Avenida da Liberdade transition.

Connectivity: Masdar City (Foster + Partners); MIT Senseable City Lab research; Affordable Housing Studies for Lisbon (Gehl Architects).

TASK 2 – PROJECT

Designing Typologies and Form

Reference Scale: 1:200 (Group or Individual Work)

Milestones: Preliminary Review **19 Nov. 2026** + Final Submission **10 Dec. 2026**
(35% of final grade)

Principle 3: Architecture can alter the co-evolution between typology and habit.

Focus: Redefining architectural and urban typologies; rethinking public/private hierarchies; testing urban utopias.

Objective: Challenge ineffective spatial norms through new models of shared living, spatial hierarchy, and intergenerational cohabitation.

Reference Projects

Typologies: House of the Future (Alison & Peter Smithson); Woven City (BIG); Copenhagen Flood Adaptation + Natural Retention Basins.

Spatial Hierarchy: Naked House (Shigeru Ban); Villa Rotonda (Andrea Palladio); House Before House / In-Between Spaces (Sou Fujimoto).

Utopias: New York Grid, Delirious New York (Rem Koolhaas); The Oblique Function (Architecture Principe: Claude Parent + Paul Virilio); Paradise (18:25).

Principle 4: Architecture can deepen the connection between people and the planet.

Focus: Poetics + Light; Composition: proportion, scale and metric; contextual Integration.

Objective: Using both intuitive poetic expression and rational problem solving to regenerate the Place.

Reference Projects

Poetics+ Light: Skogskyrkogården Woodland Cemetery (Gunnar Asplund & Sigurd Lewerentz); Hurva Synagogue project (Louis Kahn); L'Atelier de la recherche patiente (Le Corbusier).

Composition: Modulor+Vitruvio (Leonardo Da Vinci, Le Corbusier, Sejima); San Cataldo Cemetery (Aldo Rossi); Neue Nationalgalerie (Mies van der Rohe)

Integration: Siemensstadt Housing Estate (Hans Scharoun); Les Cols Pavilions (RCR Arquitectes); Sun Tunnels (Nancy Holt).

TASK 3 – PRODUCTION

Selecting Systems and Materials

Reference Scales: 1:100 / 1:20 / 1:1 (Individual Work)

Milestone: Final Assessment - 14 January 2027

(50% of final grade)

Principle 5: Architecture should integrate circularity, reusing the unused

Focus: Material reuse and circularity; efficiency demonstrated by environmental performance standards (LEED, LiderA); industrialization across the five core building systems (a) structure, (b) partitions, (c) thermal/acoustic/water insulation, (d) envelope openings/glazing, and (e) interior and exterior surface finishes.

Objective: Develop at least one circular strategy

Reference Projects

Circularity and Adaptive Reuse: TRÆ Building, Aarhus (Lendager Group); De Meelfabriek, Leiden (Peter Zumthor); Reuse in Baixa Pombalina (Casca).

Elements: La Borda Housing Cooperative, Barcelona (Lacol Arquitectura); Housing Transformation, Grand Parc Bordeaux (Lacaton & Vassal); San Telmo Museum (Nieto Sobejano).

Efficiency: Masterplanet (BIG); Barefoot College (India); Alhambra water and cooling systems (Granada).

Principle 6: Architecture should promote maximum comfort and expression with a minimum use of resources.

Focus: New material ecologies; bio-based materials and low-carbon assemblies; synthesis of vernacular traditions with innovation and digital fabrication.

Objective: Balance resource frugality with spatial intensity and performance.

Reference Projects

Innovation: 3D-Printed Housing (Clanet&Brito); Droneport and off-grid structural systems (Foster + Partners); Paper Log Shelters & Cardboard Cathedral (Shigeru Ban).

Tradition: Convento dos Capuchos (Sintra); Tennis Pavilion at Quinta da Conceição (Fernando Távora); Tanada Terrace Office (Atelier Bow-Wow).

Material Ecology: Blur Building (Diller Scofidio + Renfro); Calouste Gulbenkian Foundation Complex and Gardens (Ruy Jervis d'Athouguia, Alberto Pessoa, Pedro Cid, António Viana Barreto, Gonçalo Ribeiro Telles); Silk Pavilion (Neri Oxman / Mediated Matter Group).

SUPPLEMENTARY BIBLIOGRAPHY

(To be selected with the support of the Professors, alongside the Curricular Unit General Bibliography for Integrated Studio III)

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- U.S. Green Building Council. (2010). *LEED Reference Guide for Green Building Design and Construction*. Washington, D.C.: USGBC.

AI Statement: Gemini was used exclusively for grammar correction in this course syllabus.



Photo 2: current state of the site (former Hospital Miguel Bombarda)