



In partnership with:

**DEPARTMENT OF CULTURAL HERITAGE OF THE CITY OF ROME**  
**SSML CULTURAL MEDIATION SCHOOL GREGORIO VII**

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**ILM LIGHTING**

## **LIGHTING AND RENDERING SOFTWARE FOR THE THREE-DIMENSIONAL RECONSTRUCTION OF ARTIFACTS BY PHOTOGRAMMETRY, EVEN WITH THE AID OF THE DRONE**

**From 10<sup>th</sup> to 14<sup>th</sup> July 2023**

**Location: Faculty of Architecture Via Flaminia 70, room S6**

**Monday 10<sup>th</sup>** 9:30 -13:30 / 14:30 – 17:30

**Diana Verde** Architect and lighting Designer

**Susanna Verde** Architect and lighting Designer

- Introduction to lighting Software
- Dialux evo software for internal and external lighting calculation (software interface, main controls, 3D modeling, photometric insertion, light scene management, use of calculation surfaces, rendering export and output configuration)
- 1° exercise

**Tuesday 11<sup>th</sup>** 9:00-13:30 / 14:30 – 18:00

**Diana Verde** Architect and lighting Designer

**Susanna Verde** Architect and lighting Designer

- Dialux evo software for the calculation of interior and exterior lighting (Construction and management of an external scene, a monument and an urban square or park with the simplified elements of the software and the import of an external 3D model)
- 2° exercise

**Wednesday 12<sup>th</sup>** 9:00-13:30 / 14:30 – 18:00

**Diana Verde** Architect and lighting Designer

**Susanna Verde** Architect and lighting Designer

- Dialux evo software for lighting calculation urban and road lighting (Standard reference, construction and lighting of a roundabout, module for street lighting)
- 3° exercise

**Thursday 13<sup>th</sup>** 9:00-13:30 / 14:30 – 18:00

**Diana Verde** Architect and lighting Designer

**Susanna Verde** Architect and lighting Designer

- Dialux evo software for interior and exterior lighting calculation (Simulation and management of natural light, emergency lighting, energy consumption and calculation of LENI)
- 4° exercise

**Friday 14<sup>th</sup>** 9:00 -13:00

**Diana Verde** Architect and lighting Designer

**Susanna Verde** Architect and lighting Designer

- Dialux evo software for interior and exterior lighting calculation (Simplified design and simple interior design)
- 5° exercise

**Friday 14<sup>th</sup>** 14:00 – 17:00

**Alessandro GRASSIA** Architect and lighting Designer

- 3D simulation with Dialux Evo - Software for the three-dimensional reconstruction of artifacts through photogrammetry, also with the aid of the drone