

## ARC 3723 | EBS II

### ***Assignment 6: Radiation Map / Solar Exposure***

**Due: March 25th** (end of day). Upload PDF and Rhino file (.3dm) to Canvas.

#### **Resources:**

- <https://www.solemma.com/climatestudio>
- <https://www.youtube.com/watch?v=LnLfBrUc3XE&t=1s>

#### **Assignment:** *Radiation Map / Solar Exposure*

- Step 1 - Select a project from one of your studios (current or previous).
- Step 2 - Run a radiation map analysis with ClimateStudio of an exterior or interior (or both) part of your project.
- Step 3 - Identify a design aspect that appears unfavorable based on the analysis (or a part of your project that you would just like to study an option for).
- Step 4 - Adjust your original design according to Step 3 and run another radiation map analysis.
- Step 5 - Compare the results.
- Step 6 - Write a short (3-5 sentence) reflection of your process and results.
- Step 7 - Combine all graphics and text in a single PDF (see template).

**Groups:** Individual Work (Could be a group of 2 if you're doing the same project (e.g, studio 3B))

#### **Final hand in:**

- Rhino model (.3dm file) with analysis
- PDF (see template)

#### **Evaluation**

- 25% Analytical process through use of ClimateStudio
- 25% Meaningfulness of comparative analysis
- 20% Reflection
- 20% Quality of final PDF
- 10% Rhino file (.3dm file)