

## Homework 4

### Passive Solar Design

1. Analyze your former studio project in the context of passive solar design (both cooling and heating seasons). Provide a plan and at least two building sections illustrating:

- Solar orientation
  - Passive heating (south facing glass + storage medium)
  - Passive cooling (shading, etc.)
  - Daylighting
- Images should be simple, graphic and clear. Comment briefly on your analysis.

2. Optimize your former studio project for Daylighting and either Passive Heating *or* Passive Cooling. Provide optimized plans and sections, comment briefly. Does the consideration of energy efficient design work with or against the design idea?

3. If appropriate, suggest a compromise between the original and optimized versions of the project, providing plans and sections to illustrate your ideas.