

Geometric & Graphics Programming Lab: Lecture 15

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2 Minimal git/github instructions

Workshop N.5

Palladio's Villas

Bootstrap multi-session project

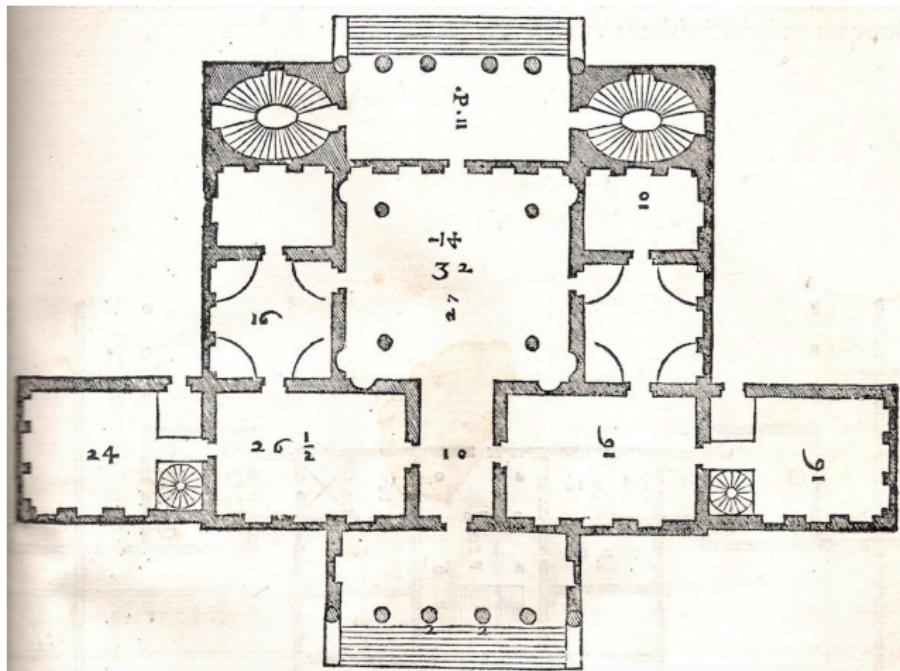


Figure 1: Villa Cornaro, plan

Palladio's Villas

Bootstrap multi-session project

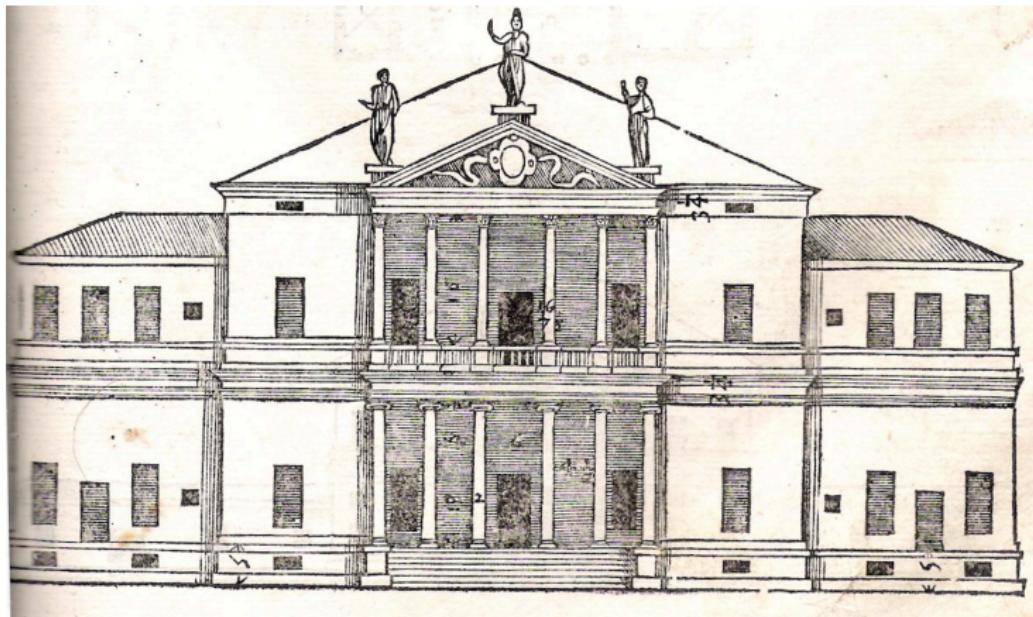
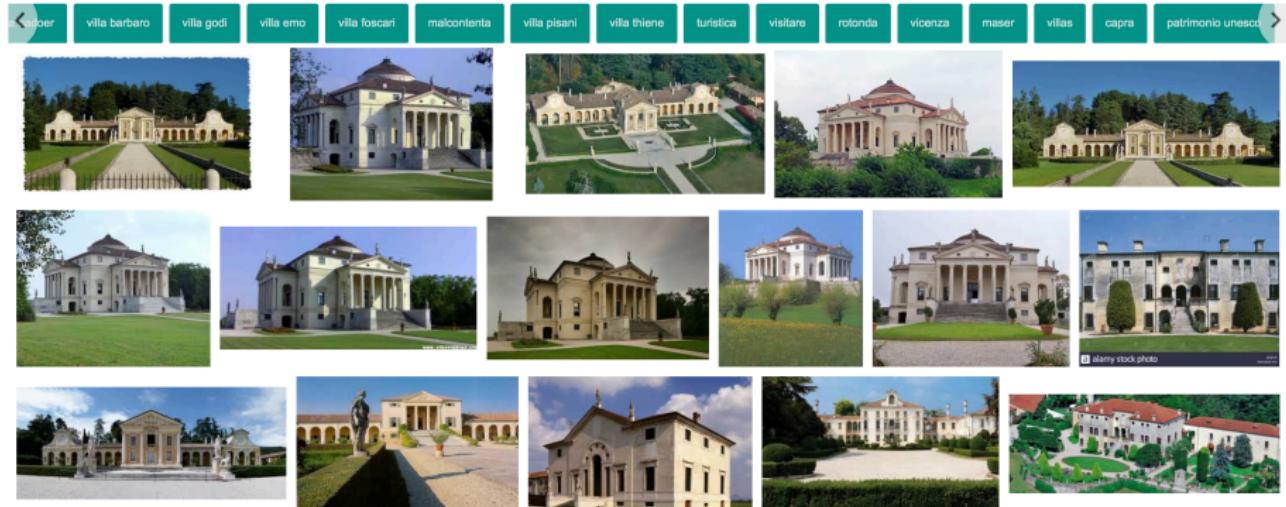


Figure 2: Villa Cornaro, front

Iconographic fonts

- I quattro libri dell'architettura
- Centro Internazionale di studi di Architettura - Mediateca: Andrea Palladio
- Andrea Palladio (WikiPedia)
- Andrea Palladio ITALIAN ARCHITECT
- L'Affascinante Storia delle Ville Venete (YouTube)
- Andrea Palladio

Palladio's villas from Google



My preferite Palladio's villas

- Villa Godi (Lonedo di Lugo di Vicenza, provincia di Vicenza)
- Villa Gazzotti Grimani (Vicenza, località Bertesina)
- Villa Pojana (Pojana Maggiore, provincia di Vicenza)
- Villa Thiene (Quinto Vicentino, provincia di Vicenza)
- Villa Pisani (Bagnolo di Lonigo, provincia di Vicenza)
- Villa Capra, detta La Rotonda (Vicenza)
- Villa Pisani (Bagnolo di Lonigo, provincia di Vicenza)
- Villa Badoer, detta La Badoera (Fratta Polesine, provincia di Rovigo)
- Villa Chiericati (Vancimuglio di Grumolo delle Abbadesse, Vicenza)
- Villa Emo (Vedelago, provincia di Treviso)
- Villa Barbaro (Maser, provincia di Treviso)
- Villa Cornaro (Piombino Dese, provincia di Padova)
- Villa Valmarana (Lisiera di Bolzano Vicentino, provincia di Vicenza)

Bootstrap Work – TO CONTINUE NEXT WEEK

- Look **carefully** at the fonts, and **choose your villa**
- Find specific iconographic materials, and collect links in a mark-down list
- Draw **wire-frame plans** with a drawing program, **in scale**
- Export **each** plan to a **SVG file**
- Transform the **.SVG** into a **.lines** file (use
<https://github.com/cvdlab/svg2lines> tool)
- Produce a **(V, EV) larlib model** of **schematic plans** in a python cell

Requirements

- Write a single notebook, named `workshop_05.ipynb`
- Choose a notebook Title, for example `<my_Palladio's_Villa>`
- Start the notebook with some `web reference` and one/more `image/s` of your `work`
- List the `variables` used in your code, with a `textual definition`
- Provide a `short description` of used `geometric methods` you are going to implement
- Include the coding of a single parametric function named `ggpl_<my_bookcase>`
- Provide the `images` generated by `some executions` with different actual parameters.
- Use measures in `meters (m)`

Style specs

- use **meaningfull identifiers** (variables and parameters)
- use **camelCase** ids
- add **Python docstrings** (google for it)
- produce a **single** notebook file, named **workshop_05.ipynb**
- file path: **your_repo/2017-11-20/workshop_05.ipynb**

Minimal git/github instructions

Minimal git/github instructions (1/2)

create your local repository

```
$ mkdir 2017-11-20  
$ cd 2017-11-20  
$ touch workshop_05.ipynb
```

Minimal git/github instructions (2/2)

commit your work

```
$ git add -A .
$ git commit -m "add a short note to commit"
$ git push origin master
```