Setup Instructions

* Install **Rhino 7** (90 Days test version) (for Windows)
  + [Rhino - Download - Rhino 7 for Windows (rhino3d.com)](https://www.rhino3d.com/download/archive/rhino/7/latest/)
* Install Anaconda: [Free Download | Anaconda](https://www.anaconda.com/download)
* Install **Ansys Research** **2022** (durch it shop der eth) (nicht durch studenten möglich))
* Install **Github desktop**: <https://docs.github.com/en/desktop/installing-and-authenticating-to-github-desktop/installing-github-desktop>
  + Clone repository: <https://github.com/SophiaKuhn/StructuralEvaluationOfCFB>
  + Erstelle einen eigenen Branch
* Install **StrucEngLib** Library: <https://strucenglib.ethz.ch/strucenglib_plugin/install_for_ansys/>
* **Usermat** einrichten: <https://github.com/kfmResearch-NumericsTeam/CMM_Usermat/wiki/01-Getting-Started>
* Install Anemone 0.4 GH Plugin: <https://www.food4rhino.com/en/app/anemone>
  + Brauch man ein Rhino account für?
  + Download anemone.gha file (can also send this file)
  + Place the file into the GH component folder: AppData\Roaming\Grashopper\Libraries
* Install jupyter notbook to the strucenglib3 environment that was created:
  + Open anaconda command promt
  + Conda activate strucenglib3
  + Pip install notebook
  + Make your environment show up in jupyter kernels drop down:

python -m ipykernel install --user --name=strucenglib3

* + To start jupyter notebook: jupyter notebook
* Install and Setup **VS-Code**: <https://code.visualstudio.com/download>
  + Install VS code Python Extension
  + Install VS code Jupyter Extension
  + Set Python Interpreter to anaconda installation of python in VS code: <https://www.alphr.com/vs-code-change-python-interpreter/> (here set the interpreter to the strucenglib3 environment created by the strucenglib installation: AppData/Local/anaconda3/envs/strucenglib3/python
  + Install additional python package to strucenglib3 env (in anaconda prompt)
    - Pip install ipykernel
    - (pip install scikit-optimize) – only necessary for sampling script
    - pip install pandas
    - pip install scipy==1.11.4
* Test currently working example