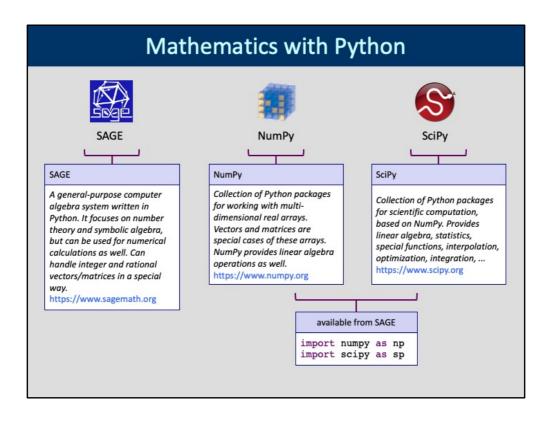
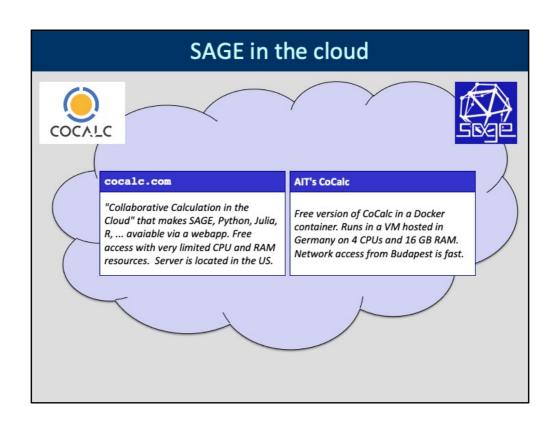
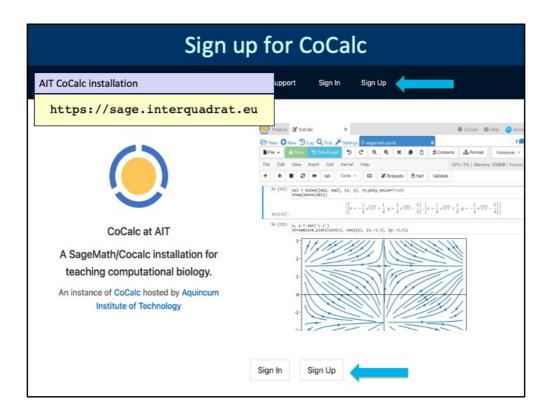


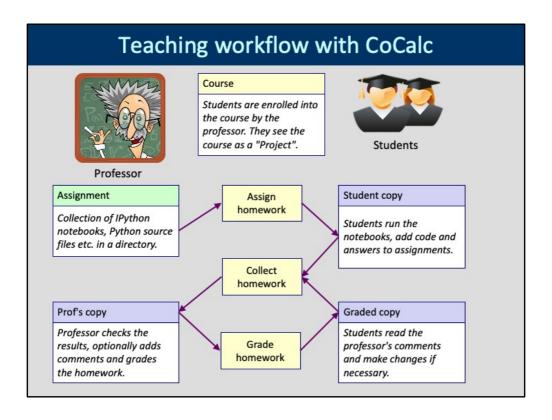
A quick-and-dirty guide on how to use CoCalc (formerly known as SageMathCloud), especially for homework assignments.



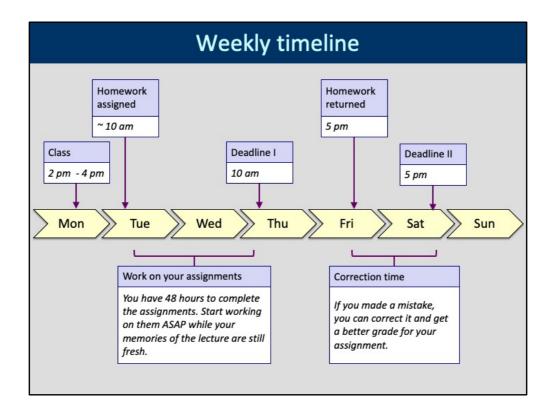




You are requested to create an account on https://sage.interquadrat.eu.This is the free version of CoCalc hosted at an AIT server. You will need a registration token which will be provided by me. Once you signed up please let me know by sending me an e-mail to aaszodi@ait-budapest.com so that he can "enrol" you to the course. Please read the Sage online help at https://cocalc.com/help and my short tutorial at https://www.interquadrat.eu/biocyb/cocalc.php as well.

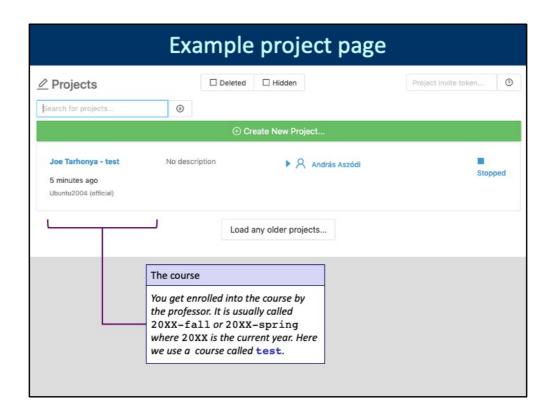


CoCalc's "course management" provides homework assignment, collection and grading functionality. We will follow this general workflow during the course.

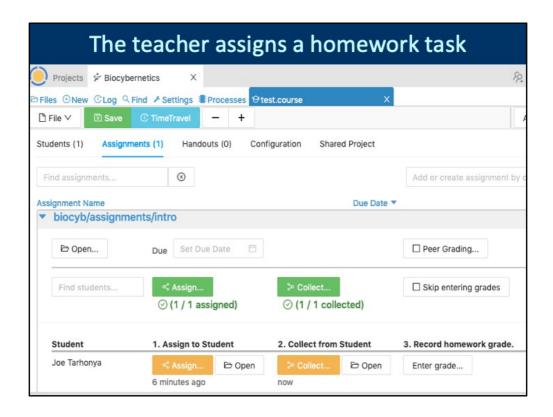


Homework will be assigned by Tuesday 10 am the latest. Then you'll have two days to work on them. Most assignments shall take no longer than about 30 minutes to complete. It is advisable to do them as soon as possible while your memories of the class are still fresh in your mind. This will help you understand the topic better. On Thu 10am I will collect your work and grade it. Your graded homework with possible comments will be returned by Friday 5pm. If you like your grade then you have nothing to do. If you made mistakes then you'll have 24 hours to correct them. I will collect the corrected work after Sat 5pm and re-grade it.

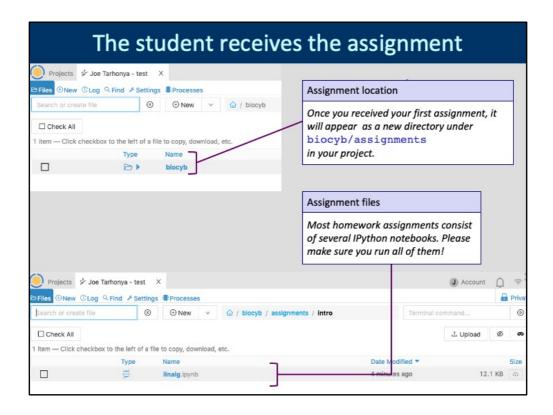
You can always send me an email if something is unclear. While I am not going to do your homework for you :-), I'll help if necessary.



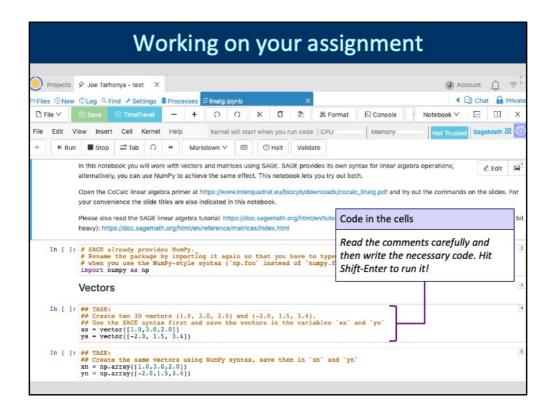
When you log into CoCalc, you will see our course as your "project", corresponding to a subdirectory under the main "biocyb" directory.



This is how I will assign a new homework to you. You won't see this page.

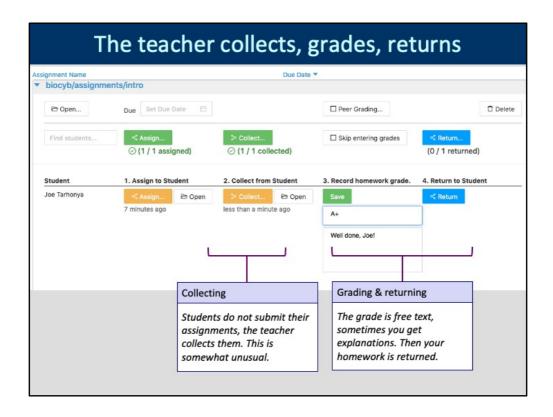


The assignments are provided as IPython/Jupyter notebooks which have the \*.ipynb extension. Occasionally I add Python support modules or PDF handouts to guide you.

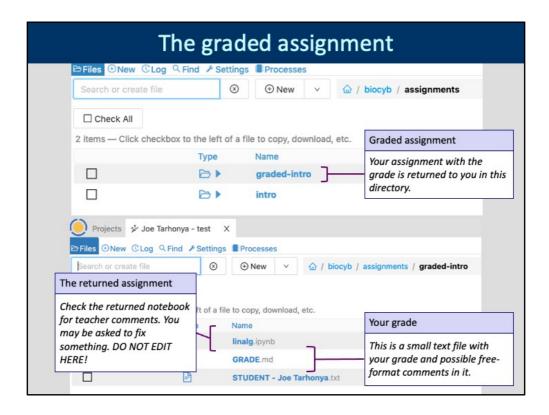


This screenshot shows a Jupyter notebook as it appears in CoCalc. Most notebook cells contain only comments that provide instructions on how to solve the task at hand. You are supposed to enter Python code and then run it. The notebooks are auto-saved every minute.

When working on your assignments keep your lecture notes at hand because the assignments often refer to aspects that we discussed in class.



This is from my perspective again. Remember, you do not submit your assignment, but rather I will collect it. After grading I'll return them to you.



If you are asked to fix something in your assignment worksheet, it is much better if you edit the original assignment, because I can re-collect it. This way we eventually reach a stage where the assignment is correctly done.