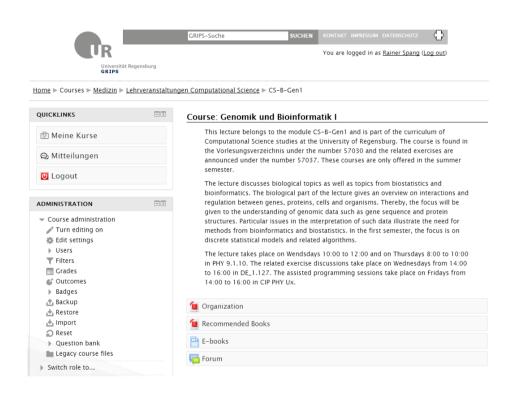
# **Syllabus**



#### **Genomics and Bioinformatics**

#### **Contacts**

Rainer Spang: rainer.spang@ur.de Lectures

Claudio Lottaz: claudio.lottaz@ur.de Assignments

Daniel Grünbaum: gub.vorlesung@ukr.de Tutorial

Moritz Jung: gub.vorlesung@ukr.de Programing Support

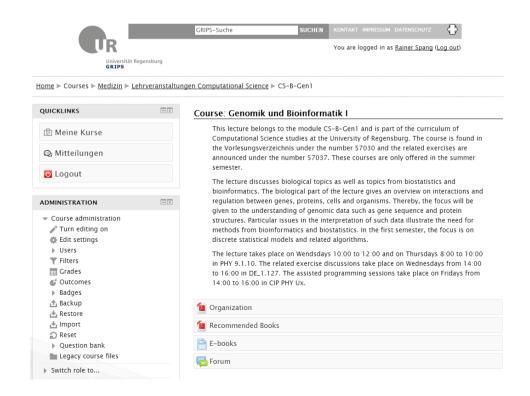
## Register on GRIPS

https://elearning.uni-regensburg.de/

- → Medizin
- → Lehrveranstaltungen Computational Science
- → Genomik und Bioinformatik I

#### or directly via:

https://elearning.uni-regensburg.de/course/view.php?id=5423



#### **Forum**

Please add a photo to your GRIPS-profile

#### Lectures

Mon 10:15 - 11:45 DE 1.129

Thu 10:15 - 11:45 **DE 1.129** 

Slides in English

**Lectures in German** 

There is no script

#### Lectures

You can ask questions at any time.

Before each lecture you should spend a few minutes reviewing the notes from the previous lecture.

This class meets two times per week for 90 minutes. You are expected to be there two times per week for 90 minutes. Lecture time is at a premium, so it must be used efficiently.

# Tutorials (Claudio Lottaz)

Tutorial/Übung: Daniel Grünbaum

Wed 14:15-15:45 DE 1.127

First Meeting: 8.5.

You must attend the Übung

Programing Support: Moritz Jung

Fri 14:15-15:45 CIP PHY 1.0.02

First Meeting: 26.4.

We recommend that you use the programing support

### Evaluation and Grading (7 credit points):

Home work assignments (required)

4 in class quizzes (required)

Final exam (required and graded)

# Assignments (Übungsbladl)

A Problems: Theory

B Problems: Weblems (Computer)

C Problems: Simulations (Computer, Python)

D Problems: Programing Projects (Computer, Python)

You only need to return solutions (code) for D problems!

You need to be able to present solutions of A-C problems in the tutorial

Requirement: 50% of points in every class of problems (A-D)

# Assignments (Übungsbladl)

One set of Assignments per week (in English)

Release: Wed 12:00 via GRIPS

Due (D): Wed 12:00 (the week after)!

per email to gub.vorlesung@ukr.de

Discussion (A-C): Wed 14:15

First Set: 24.4. (release)

8.5. (discussion)

#### **Quizzes**

4 quizzes during semester at the beginning of lectures Relatively easy (compared to assignments and final) Requirement: 50% of points

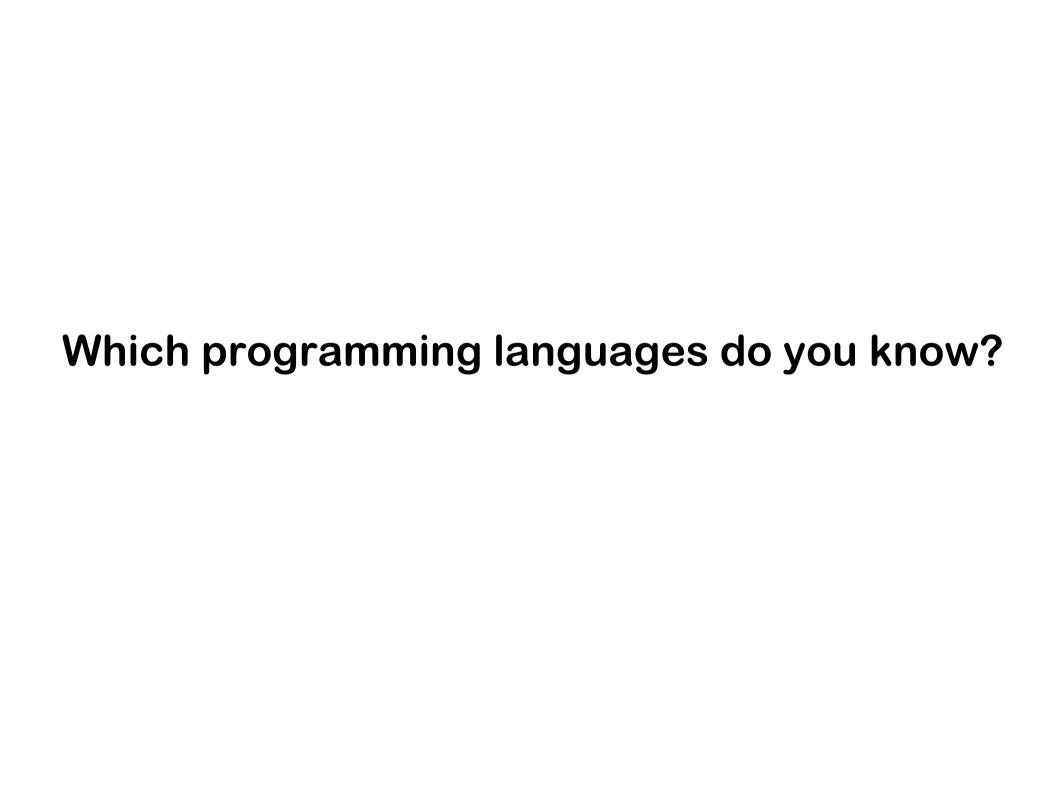
### Final Exam

Thu 25.7. 10:15-11:45 (90 min)

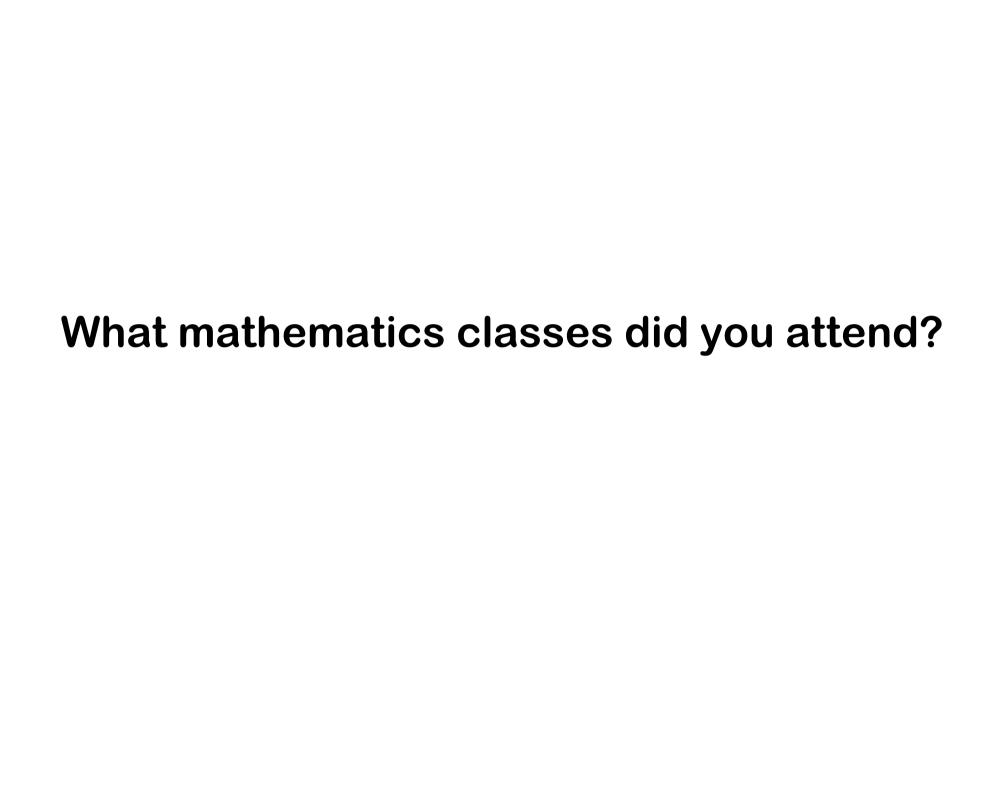
**Questions?** 

What are you studying?

# How much programming experience do you have ?



# How much do you know about genomics and molecular biology?



Do you	know	what	bioin	format	tics	is?
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## **OK Let's start**