Background and pre-knowledge test

Name:_____

Background:

	0
I am currently a:	
[] Bachelor's student	
[] Master's student	
[] Ph.D. student	
[] Post doc	
[] Other (specify:)
Main area of expertise (you may tick more	than one):
[] Biochemistry	
[] Bioinformatics	
[] Chemistry	
[] Food Sciences	
[] Physics	

[] Biology

[] Other (specify:_____)

Previous courses relevant for this course (in biology, biochemistry, NGS analysis or bioinformatics):

How did you learn about this course?

[] I found it in "Kursusbasen" ("DTU Coursebase")

[] I heard about it from a fellow student

[] I heard about it from a teacher

[] I heard about it from a teacher
[] Other (specify:_____)

Pre-knowledge test

Don't worry; it's quite all right if you cannot answer (Your answers will **NOT** influence your grade for this course, but will help us set the level for the teaching):

1. What is the relationship between DNA, RNA and proteins?

2. How would you rank your laboratory skills? (1="What's a pipet", 10="I can follow a library prep protocol in my sleep")

1 2 3 4 5 6 7 8 9 10

3. Have you ever performed DNA purification?

Yes ____ No ____

If yes, what type of sample? (e.g. soil, biofilm, bacteria):

4. Have you every performed a library preparation for NGS? (If you don't know what NGS is see question 5)

Yes ____

No ____

If yes, what kind of library prep? (Don't worry if you don't remember):

- 5. What does NGS stand for?
- 6. Which sequencing platforms have you heard of?

7. What is a DNA read?

8. What is the difference between metagenomics and whole genome sequencing? (Keep the answer short)

9. What is the first step in an NGS analysis study after receiving the raw sequencing data?

10. Which program would you use to visualize (get a quick peek at) your raw reads (in fastq format)?

11. What is assembly in an NGS context and what can an N50 value be used for?

12. How do you access a remote server through a terminal?

13. How do you copy a directory in Unix? (e.g. let's say you want to copy the directory /home/test to /home/people/test)

14. How do you do a line count on a file in Unix?

- 15. Have you ever analyzed data in R?
 - Yes ____

No ____

If yes, what kind of data did you work with and did you use R to do statistics or use it for making plots?

16. What are your expectations for the course?

17. Why did you choose the course?

18. Which teaching methods do you find most **motivating** for your learning?

Lecture	Exercise classes	Literature reading	Assignments	Self-study

19. Which teaching methods do you find most **efficient** for your learning?

Lecture	Exercise classes	Literature reading	Assignments	Self-study