

Overall grading and how the outcomes of the two control tests are counted on the final exam:

In general, the grading will be decided by the results on the final exam, whose questions in turn will reflect the learning outcomes, stated as:

“This course covers different experimental biophysical methods, how they are used to study structures and dynamics of biomolecules and their interactions. It also gives an overview of how these biophysical techniques are used in practice in biotechnology, drug development and in fundamental academic research. After this course the students are expected to be able to:

- give a an overview of the main categories of biomolecules present in the human body, what their main functions are, and how they are built.
- explain how interactions can take place between biomolecules and electromagnetic radiation
- state what modern spectroscopic techniques that are used in molecular biophysics, and to explain the physical principles upon which these methods are based
- Based on knowledge of the physical principles of the different biophysical techniques, judge and motivate which method(s) that is most appropriate to be applied to a particular biomolecular investigation.
- Give an overview of how these methods are used in practice in biotechnology, drug development, clinical diagnostics and in fundamental academic research.”

Reading instructions will be provided for all parts of the course, indicating the importance of the different parts (and the likelihood that questions on the different parts will be asked at the final exam).

The final exam will consist of two parts;

Part A, with 8 questions/problems relating to more fundamental aspects of the biophysical methods. Students who provide correct answers on 5 or more of these questions, or provide answers with only minor mistakes, will get a pass grade (A-E). The first 4 questions/problems will cover the first half of the course. The last 4 questions/problems will cover the second half of the course.

Part B, with 10 questions/problems, which can be of a more detailed character, or require a more in depth understanding of the different biophysical techniques. Depending on how well the students answer these questions, grades between A and E will be given. The grading will also take into consideration the scores on part A (weighted to 50% of the scores obtained on this part).

Two control tests will be given during the course, covering the first and the second half of the course, respectively. If passing the first control test (acquiring 2/3 or more of the maximum score on the control test) the student will get a bonus of 20% of the full score on the first 4 questions/problems on part A of the final exam. Similarly, if passing the second control test (acquiring 2/3 or more of the maximum score) the student will get a bonus of 20% of the full score on the second 4 questions/problems on part A of the final exam.