

Course analysis (course evaluation)

Course code 4FF04	Course title Bioinformatics from a Physiological and Pharmacological Perspective	Credits 7.5 ECTS
Semester VT 24	Period 15/01 - 15/02	

Course coordinator Volker Lauschke	Examiner Gunnar Schulte
Teacher in charge of component Sofiene Laarif, Yitian Zhou, Roman Tremmel, Tom Erkers, Sonia Youhanna, Magdalena Scharf, Paolo Parini, Gustaw Eriksson	Other participating teachers Stefania Koutsilieri, Aurino Kemas

Number of registered students during the three week check 35	Number approved on the last course date 35	Response frequency course valuation survey 29%
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Other methods for student influence (in addition to concluding course valuation)
Email contact with course coordinator

Feedback reporting of the course valuation results to the students
Via Canvas

Note that...

The analysis should (together with a summarising quantitative summary of the students' course valuation) be communicated to the education committee at the department responsible for the course and for programme courses also the programme coordinating committee.

The analysis was communicated to the education committee on the following date: 240522

1. Description of any conducted changes since the previous course occasion based on the views of former students

The exam was adjusted from Multiple Choice to Single Best Answer.

2. Brief summary of the students' valuations of the course

Overall, the course was positively received. 70% of respondents stated that the course contributed to a "large extent" or "very large extent" to a development of valuable skills during the course (mean 3.7). This is an increase compared to the last course of +0.3 points. Similarly, all students responded that they achieved the intended learning outcomes to at least some extent (mean 3.9; previous 3.1). Similarly, all students answered that the course has promoted their scientific thinking and reasoning (mean 4.0) The lowest scores were received when answering whether the previous knowledge was sufficient and whether the course was sufficiently challenging (mean 3.0). This is understandable, as the very aim of module was to



provide an overview of the diversity of different modeling approaches used for physiological and pharmacological applications, i.e. to touch upon a number of methodologically different tools. That both opposing questions received similar answers is a reflection of the diversity of students admitted to the course from drastically varying academic backgrounds. Consequently, we do not believe that the course should be made either easier or harder per se. Notably, the work environment was considered good (mean 4.1; previously 3.6) with very limited competition between students (mean 2.5).

3. The course coordinator's reflections on the implementation and results of the course

Strengths of the course: The engagement of the teachers and their willingness to contribute to the course was excellent. The lectures were considered informative and structured throughout. The combination between lectures and practical elements felt well balanced.

Weaknesses of the course: The exam was mostly not perceived favorably.

4. Other views

5. Course coordinator's conclusions and any suggestions for changes

The structure of the course with lectures and practical courses has proved itself to be suitable to convey the learning objectives. I would recommend renaming the course to "Pharmacological modelling".

Appendices: