



Course analysis (course evaluation)

Course code 4FF011	Course title GCP and Clinical Pharmaceutical Trials	Credits 3,5 HP
Semester HT23	Period 2023-09-14 to 2023-10-18	

Course coordinator Duarte Ferreira	Examiner Gunnar Schulte
Teacher in charge of component	Other participating teachers Anders Hellgren, Mikael Åström

Number of registered students during the three week check 24	Number approved on the last course date 24	Response frequency course valuation survey 58,33 %
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Other methods for student influence (in addition to concluding course valuation)

Email contact with the course coordinator

Feedback reporting of the course valuation results to the students

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: 231116

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

This is the first time the course is given so no changes were performed since the previous course occasion

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

Overall, the course was positively received with the majority of students developing valuable skills during the course (mean 4.0). Similarly, most students responded that they achieved the intended learning outcomes (mean 4.1) and that there was a common theme running throughout the course (mean 4.2) as well as the course's structure and the methods used were relevant in relation to the learning outcomes (mean 4.1). The lowest scores were received when answering whether the course promoted a scientific way of thinking and reasoning (mean 3.9) as well as the course wasn't perceived as challenging enough for them (mean 3.3). This is understandable, since the course is based more in facts and understanding and not so much of

scientific searches. Since this is the first time giving the course, it will allow us to approach more complicated topics in the field. Interesting, the students felt that they could turn to the teacher/course coordinator for guidance (mean 4.6), one of the highest scores in the survey. The overall opinion of the course was considered very good with most of the students reporting that the course had a good psychosocial work environment (mean 4.8) with very little competition between the students (mean 1.6).

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

Strengths of the course: The course is highly praised for their effectiveness and clear materials, creating a safe and comfortable learning environment. The course is well-structured and promotes reflection on theoretical material, providing a good balance between lectures and self-study. The course fosters a supportive atmosphere where students can comfortably ask questions and engage with the material. Teachers are available to address issues. "Overall a very well-structured course." "The atmosphere and possibility to ask questions were very comforting." The course features engaging lecturers that inspire students, understanding, and responsive to questions, whether in-person or via Zoom: "Great topics, nice lectures... Great lecturers, very inspiring... Perfect organization." The course was also praised for covering valuable information regarding clinical research and providing a certificate upon completion. "The online course was a good introduction... The ICH-GCP and DoH lectures were of good quality... The course gave a good overview." "...it is great that we will really get a certificate" The course's examination method, which includes both an exam and a presentation, is well-received for its comprehensive evaluation. Students also appreciate the mock exam questions and the certificates provided. Overall, the course is commended for its effective teaching, engaging content, supportive atmosphere, and practical application of knowledge, making it a valuable and enjoyable learning experience for students.

Weaknesses of the course: Some students suggest that the course could be longer to allow for more in-depth coverage of the material. Language-related concerns are raised, with some lectures, originally prepared in Swedish and then translated into English and some exam questions that were difficult to understand due to linguistic differences. "Although the majority of questions were clear, a little suggestion would be to have a look at translations.. some translations were not good and were therefore misleading when answering them" Students also pointed out that the course could benefit from clearer learning objectives, particularly considering the use of various resources and platforms due to GCP certification requirements. "...Clearer learning objectives would not only help students understand which parts are essential for the examination and which ones are additional information, but also provide more guidance for the external lecturers so that there is less repetition between lectures" Some students feel that the course lacks context and application, suggesting that additional input from clinical researchers and industry professionals could enhance understanding: "The lectures were not enough input to fully get an idea of a whole clinical trial." "I would have liked a couple more lectures... one or two talks/lectures from people that work in the pharmaceutical industry."



4. Other views

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

While the course has received positive feedback, there were some weaknesses that can be addressed and could lead to an even more comprehensive and enriching learning experience for students.

Due to restrictions on time and credits the course length cannot be changed but we could add extra lectures with input from clinical researchers and industry professionals. They could bring some more information regarding preclinical and clinical trials and case studies That would put the course into perspective and the opportunity for the students to network with professionals working in the field.

Lecture materials and exams will be revised and checked so the students won't feel confused with uncessfull translations and text in Swedish. The same will be done with the statiscs lecture in collaboration with the lecture to add some text or documents that can help students grasp the content.

Regarding the unclear learning objectives, those will be revised and checked. It can also be a better information to which resources and platforms the students can get information to fullfill the learning outcomes and the GCP certification requirements and what will be part of the written and oral examination.

Appendices: